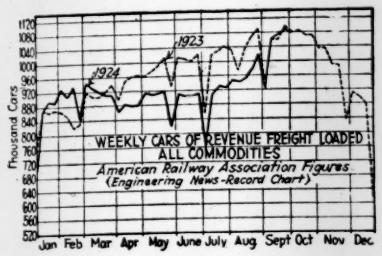
CONSTRUCTION NEWS

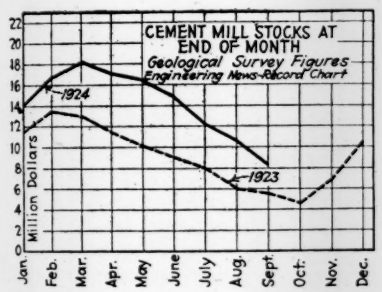
Engineering News-Record, October 30, 1924

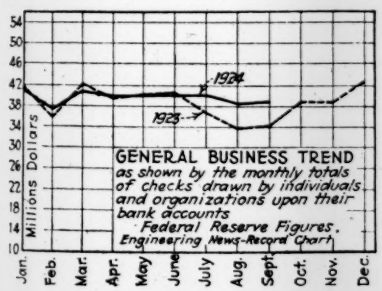
The Construction Barometer

Volume of Construction Continues Heavy—Bank Debits Well Above Year Ago—Car Loadings at Highest Point For Any Single Week On Record

OF the seven basic industries in which depressions have been reported for some months past, three now show definite signs of recovery. The seven referred to are: iron and steel, coal, automotive, textiles, leather, non-ferrous metals and oil. The three recovering industries are: textiles, leather and non-ferrous metals. The three strongest features of the current industrial and commercial situations are: sustained heavy volume of construction, large total of bank debits and record car loadings. The freight movement for the entire country during the week of Oct. 18 was the heaviest for any single week in the history of American railroads.




CEMENT MILL STOCKS AT END OF MONTH
Geological Survey Figures
Engineering News-Record Chart
1924
1923
Million Dollars
Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec.


1924
1923
GENERAL BUSINESS TREND
as shown by the monthly totals of checks drawn by individuals and organizations upon their bank accounts
Federal Reserve Figures.
Engineering News-Record Chart
Millions Dollars
Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec.

Engineering News-Record Statistics

Minimum on water-works and excavations, $15,000; other public work, $25,000; industrial buildings, $40,000; commercial buildings, $150,000.

VALUE OF LARGE CONTRACTS LET IN THE UNITED STATES

Week Ended	Public Work	Private Work	Total Contracts
Oct. 9	$15,048,000	$49,481,000	$64,529,000
Oct. 16	13,291,000	17,012,000	30,303,000
Oct. 23	18,762,000	30,127,000	48,889,000
3 weeks.	$47,101,000	$96,620,000	$143,721,000

LARGE BUILDING CONTRACTS—NUMBER AND VALUE

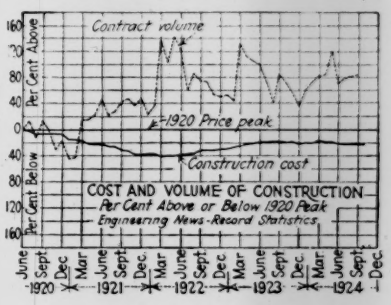
Week Ended	Commercial Public No.	Commercial Public Thousand	Commercial Private No.	Commercial Private Thousand	Industrial No.	Industrial Thousand
Oct. 9	13	$5,124	35	$23,589	26	$25,499
Oct. 16	8	1,699	49	15,537	16	910
Oct. 23	11	1,859	50	23,547	35	4,580
3 weeks	32	$8,682	134	$62,673	77	$30,989

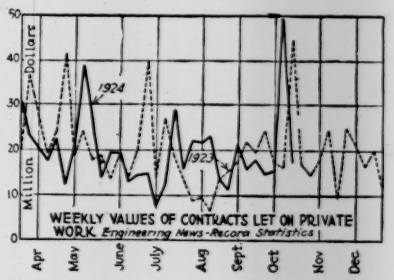
NUMBER OF LARGE JOBS NOW OUT FOR BIDS

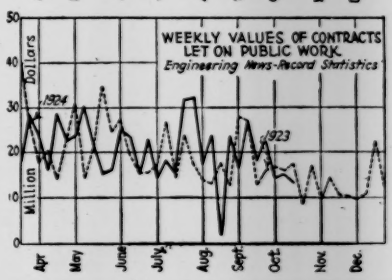
Week Ended	Private	Commercial Buildings	Streets and Roads	Waterworks and Sewers	All Public
Oct. 9	20	26	50	35	175
Oct. 16	23	31	47	28	172
Oct. 23	26	37	51	28	166

FIR FIRMER ON WEST COAST

	Quoted on Oct. 30 at	Last Price Change Was	On
Structurals, Pittsburgh, 100 lb.	$1.80 @2.00	$1.90 @2.00	Oct. 23
Cement, Chi., net bbl.	2.20	2.10	Jan. 24
Pine, N. Y., M. ft.	55.00	56.00	Oct. 2
Fir, San Fran., M. ft.	31.00	29.00	Oct. 23
Common labor, hr.	.56	.55	Apr. 2


Contract volume
1920 Price peak
Construction cost
COST AND VOLUME OF CONSTRUCTION
Per Cent Above or Below 1920 Peak
Engineering News-Record Statistics
Per Cent Above
Per Cent Below
June Sept Dec Mar June Sept Dec Mar June Sept Dec Mar June Sept Dec Mar June Sept Dec
1920 1921 1922 1923 1924


1924
1923
WEEKLY VALUES OF CONTRACTS LET ON PRIVATE WORK
Engineering News-Record Statistics
Million Dollars
Apr May June July Aug Sept Oct Nov Dec


WEEKLY VALUES OF CONTRACTS LET ON PUBLIC WORK
Engineering News-Record Statistics
1924
1923
Million Dollars
Apr May June July Aug Sept Oct Nov Dec

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
Oct. 31	Cleveland, O.	Oct. 30
Oct. 31	Long Island City, N. Y.	Oct. 30
Nov. 1	Morrisville, Pa.	Oct. 23
Nov. 1	Locust Valley, N. Y.	Oct. 23
Nov. 3	Barberton, O.	Oct. 9
Nov. 3	Haledon, N. J.	Oct. 16
Nov. 3	Cando, N. D.	Oct. 23
Nov. 3	St. Benedict, Pa.	Oct. 30
Nov. 4	Lovelock, Nev.	Oct. 30
Nov. 5	Ehrhardt, S. C.	Oct. 16
Nov. 5	El Centro, Calif.	Oct. 30
Nov. 6	Buffalo, N. Y.	Oct. 23
Nov. 6	Blooming Grove, Tex.	Oct. 30
Nov. 7	New Bremen, O.	Oct. 30
Nov. 7	Long Island City, N. Y.	Oct. 30
Nov. 8	Irving, Tex.	Oct. 30
Nov. 10	Sebring, Fla. Adv. Oct. 16 and 30.	Oct. 16
Nov. 10	Whittier, Calif.	Oct. 30
Nov. 12	Detroit, Mich. Adv. Oct. 30.	Oct. 30
Nov. 17	Brockport, N. Y. Adv. Oct. 23 and 30.	Oct. 23
Nov. 18	Denver, Colo. Adv. Oct. 30.	Oct. 30
Nov. 19	El Centro, Calif.	Oct. 30
Nov. 20	Denver, Colo. Adv. Oct. 30.	Oct. 30
Nov. 24	Coconut Grove, Fla. Adv. Oct. 30.	Oct. 30

SEWERS

Bids Close		See Eng. News-Record
Oct. 31	Trenton, N. J.	Oct. 23
Oct. 31	Toronto, Ont.	Oct. 30
Oct. 31	Long Island City, N. Y.	Oct. 30
Nov. 1	Wauwatosa, Wis.	Oct. 30
Nov. 3	Beaumont, Tex.	Oct. 30
Nov. 5	Jackson, Mich. Adv. Oct. 23 and 30.	Oct. 23
Nov. 6	Metuchen N. J.	Oct. 16
Nov. 6	Claremont, Calif.	Oct. 30
Nov. 7	Colorado	Oct. 30
Nov. 10	Hamden (New Haven P. O.), Conn.	Oct. 30
Nov. 10	Deerfield, Ill.	Oct. 30
Nov. 14	Louisville, Ky. Adv. Oct. 16 to 30.	Oct. 16
Nov. 14	Milwaukee, Wis. Adv. Oct. 30.	Oct. 30
Nov. 14	St. Louis, Mo.	Oct. 23
Nov. 18	Sharon, Pa. Adv. Oct. 30.	Oct. 30
Nov. 19	Grand Rapids, Mich. Adv. Oct. 23 and 30.	Oct. 23
Nov. 20	Larchmont, N. Y. Adv. Oct. 30.	Oct. 30
Dec. 9	New Orleans, La. Adv. Oct. 16 to 30.	Oct. 16

BRIDGES

Bids Close		See Eng. News-Record
Nov. 5	Alabama	Oct. 23
Nov. 5	Lexington, S. C.	Oct. 23
Nov. 5	Hightstown, N. J.	Oct. 30
Nov. 6	Tangipahoa, La.	Oct. 23
Nov. 6	Vermont	Oct. 30
Nov. 6	Oklahoma	Oct. 30
Nov. 10	California	Oct. 30
Nov. 10	Michigan	Oct. 30
Nov. 11	Detroit, Mich.	Oct. 30
Nov. 12	Alabama	Oct. 23
Nov. 12	Florida	Oct. 16
Nov. 12	Michigan	Oct. 30
Nov. 13	Brady, Neb.	Oct. 30
Nov. 14	Pierre, S. D.	Oct. 16
Nov. 17	Edwards, Kan.	Oct. 30
Nov. 17	New Jersey Adv. Oct. 30.	Oct. 30
Nov. 18	Tangipahoa, La.	Oct. 30
Nov. 18	Merced, Calif.	Oct. 23
Nov. 18	Kaukauna, Wis.	Oct. 23
Nov. 18	Boston, Mass.	Oct. 30
Dec. 15	New Orleans, La. Adv. Oct. 30.	Oct. 30

EXCAVATION, DRAINAGE IRRIGATION, LEVEES

Oct. 31	Buffalo, N. Y. Adv. Oct. 23 and 30.	Oct. 30
Nov. 5	Tampa, Fla.	Oct. 23
Nov. 12	Tracy, Calif.	Oct. 30
Nov. 14	Bennettsville, S. C. Adv. Oct. 30.	Oct. 30
Nov. 15	Vankleek Hill, Ont.	Oct. 30
Nov. 18	New York Adv. Oct. 23 and 30.	Oct. 23
Dec. 1	St. Catherines, Ont.	Oct. 30

STREETS AND ROADS

Oct. 31	New York Adv. Oct. 16 to 30.	Oct. 23
Oct. 31	Union, S. C.	Oct. 23
Oct. 31	New Hampshire	Oct. 30
Nov. 3	California	Oct. 23
Nov. 3	Pennsylvania Adv. Oct. 16 to 30.	Oct. 16
Nov. 3	New York, N. Y.	Oct. 30
Nov. 3	Woodville, Miss.	Oct. 30
Nov. 4	Louisiana	Oct. 16
Nov. 5	Alabama	Oct. 23
Nov. 5	Wetumka, Okla.	Oct. 23
Nov. 5	Clarksburg, W. Va.	Oct. 30
Nov. 5	Lynwood, Calif.	Oct. 30
Nov. 6	Oklahoma	Oct. 30
Nov. 6	New York, N. Y.	Oct. 30
Nov. 6	Ft. Scott, Kan.	Oct. 9
Nov. 6	Louisiana	Oct. 23
Nov. 6	Floresville, Tex.	Oct. 23
Nov. 7	Holton, Kan.	Oct. 16
Nov. 7	Michigan	Oct. 30
Nov. 7	Akron, O.	Oct. 30
Nov. 7	Long Island City, N. Y.	Oct. 30
Nov. 10	British Columbia	Oct. 23
Nov. 10	San Diego, Calif.	Oct. 30
Nov. 10	Corpus Christi, Tex.	Oct. 30
Nov. 11	Michigan	Oct. 2
Nov. 11	Norman, Okla.	Oct. 30
Nov. 11	Wetumka, Okla.	Oct. 30
Nov. 12	Alabama	Oct. 23
Nov. 12	Washington	Oct. 30
Nov. 12	San Marino (Los Angeles P. O.), Calif.	Oct. 30
Nov. 17	Okeechobee, Fla. Adv. Oct. 23 and 30.	Oct. 23
Nov. 20	Concordia, Kan.	Oct. 23
Nov. 25	Topeka, Kan.	Oct. 30
Nov. 26	Illinois	Oct. 30
Nov. 26	Oswego, Kan.	Oct. 30

BUILDINGS—INDUSTRIAL

Nov. 1	Duluth, Minn.	Oct. 30

BUILDINGS—COMMERCIAL

Oct. 31	West Roxbury (Boston P. O.), Mass.	Oct. 23
Nov. 3	Madison, N. J.	Oct. 30
Nov. 3	Dorchester (Boston P. O.), Mass.	Oct. 30
Nov. 4	Warwick, R. I.	Oct. 30
Nov. 6	Ecorse, Mich.	Oct. 23
Nov. 6	Marlboro, Mass.	Oct. 30
Nov. 7	Los Angeles, Calif.	Oct. 23
Nov. 10	Warren, O.	Oct. 16
Nov. 10	Oakmont, Pa.	Oct. 23
Nov. 10	Los Angeles, Calif.	Oct. 30
Nov. 10	Lakewood (Cleveland P. O.), O.	Oct. 30
Nov. 10	New Orleans, La.	Oct. 30
Nov. 10	Detroit, Mich.	Oct. 30
Nov. 10	Easton, Pa.	Oct. 30
Nov. 11	San Jose, Calif.	Oct. 30
Nov. 11	New York, N. Y.	Oct. 23
Nov. 12	Kings Park, N. Y. Adv. Oct. 16 to 30.	Oct. 16
Nov. 12	Central Islip, N. Y. Adv. Oct. 23 and 30.	Oct. 23
Nov. 12	Urbana, Ill. Adv. Oct. 23 and 30.	Oct. 23
Nov. 12	San Francisco, Calif.	Oct. 30
Nov. 14	St. Louis, Mo.	Oct. 16
Nov. 14	Madison, Wis.	Oct. 30
Nov. 15	Greenville, Mo.	Oct. 23
Nov. 15	Omaha, Neb.	Oct. 23
Nov. 15	Paragould, Ark.	Oct. 23
Nov. 15	Muskegon, Mich.	Oct. 30
Nov. 18	Denver, Colo.	Oct. 30
Nov. 18	Brooklyn, N. Y.	Oct. 30
Nov. 19	Kings Park, N. Y. Adv. Oct. 23 and 30.	Oct. 23
Nov. 27	Camden, N. J.	Oct. 16

FEDERAL GOVERNMENT WORK

Oct. 31	Remodeling—Wilmington, Del.	Oct. 16
Oct. 31	Breakwater — Rockland, Me.	Oct. 2
Oct. 31	Stone—Boston, Mass.	Oct. 16
Nov. 3	Waterworks—Concord, N. H.	Oct. 16
Nov. 3	Post Office—Vernal, Utah	Oct. 9
Nov. 4	Tunnel—Wash., D. C. Adv. Oct. 9 to 30.	Oct. 9
Nov. 4	Steel Hull—Huntington, W. Va.	Oct. 16
Nov. 6	Levee Work — Vicksburg, Miss. Adv. Oct. 23 and 30.	Oct. 23
Nov. 7	Extension—Camden, N. J.	Oct. 23
Nov. 8	Steel Barges — Buffalo, N. Y. Adv. Oct. 16 to 30.	Oct. 16
Nov. 8	Dredging—Norfolk, Va. Adv. Oct. 9 to 30.	Oct. 9
Nov. 10	Post Office—Pillston, Pa.	Oct. 16
Nov. 11	Storehouse — Gulfport, Miss.	Oct. 23
Nov. 12	Levee Work—St. Louis, Mo. Adv. Oct. 30.	Oct. 30
Nov. 12	Post Office—Minneapolis, Minn. Adv. Oct. 30.	Oct. 30
Nov. 14	Water Distribution System — Baltimore, Md. Adv. Oct. 30.	Oct. 30
Nov. 16	Pier—Seattle, Wash.	Oct. 30
Nov. 19	Additions—Newport, R. I.	Oct. 30
Nov. 24	Breakwater—Burlington, Vt. Adv. Oct. 23 and 30.	Oct. 23
Nov. 26	Excavation—Delaware and Maryland Adv. Oct. 30.	Oct. 30
Dec. 3	Sewerage System Improvements—Great Lakes, Ill.	Oct. 30
Dec. 9	Buildings — San Fernando, Calif. Adv. Oct. 30.	Oct. 30
Dec. 23	Store House—Pearl Harbor, H. T.	Oct. 30

UNCLASSIFIED

Oct. 31	Bulkhead — Pleasure Beach (Bridgeport), Conn.	Oct. 23
Nov. 3	Borings—New Jersey and New York Adv. Oct. 30.	Oct. 30
Nov. 6	Caissons—Esquimalt, B. C.	Oct. 2
Nov. 7	Concrete Walls—Fort Edward, N. Y. Adv. Oct. 30.	Oct. 30
Nov. 12	Tunnel Approach—New York, N. Y. Adv. Oct. 16 to 30.	Oct. 16
Nov. 20	Caissons—Esquimalt, B. C.	Oct. 30
Nov. 25	Tunnel—Boston, Mass. Adv. Oct. 23 and 30.	Oct. 23

MATERIAL AND EQUIPMENT

Nov. 3	Asphalt Sand—New York, N. Y.	Oct. 30
Nov. 3	Paving Material—St. Paul, Minn.	Oct. 30
Nov. 5	Cement—Merced, Calif.	Oct. 30
Nov. 6	Cement, etc.—New York, N. Y.	Oct. 30
Nov. 6	Sand Grit, etc.—New York, N. Y.	Oct. 30
Nov. 11	Pump—Toronto, Ont.	Oct. 9
Nov. 11	Steel Beams — Boston, Mass.	Oct. 30
Nov. 11	Concrete Mixer—Manteca, Calif.	Oct. 30
Nov. 24	Cable, etc. — Melbourne, Australia	Sept. 11
Dec. 1	Transformers, etc. — Melbourne, Australia	Sept. 11

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

Tenn., Watertown—Plans waterworks. To exceed $25,000. Engineer not selected.

O., Alliance—Making plans pump house addition, and pumping equipment, $250,000. G. B. Gascoigne, 648 Leader News Bldg., Cleveland, engr.

O., Norwalk—Bd. Control takes bids in spring water purification plant. $150,000.

Ia., Larchwood — Voted $15,000 bonds for waterworks. V. V. Amidon, mayor.

Neb., Buchard—Plans water works and distribution system. $15,000. Henningson Eng. Co., Natl. Bank Bldg., Omaha, engrs.

Mo., Buffalo—Made plans waterworks, $45,000 bond election Nov. 15. Russel & Axon, 411 McDaniels Bldg., Springfield, engrs.

Mo., Jefferson City — Capital City Water Co. making preliminary plans modern filter plant and building, also new 10 to 12 in. distribution mains, etc. $200,000. L. E. Landman, mgr.

Mo., Liberal—Election soon $50,000 bonds waterworks and distribution system. C. A. Haskins, 517 Finance Bldg., Kansas City, engr.

Tex., Celina — Voted $40,000 bonds waterworks improvements. Address J. E. Cusley, mayor.

Tex., Trinity—Making plans waterworks, incl. well, concrete reservoir, pump house, 300 gal. centrifugal pump and mains. $42,500 bonds voted. F. J. Von Zuben, Ellison Bldg., Ft. Worth, engr. Noted Sept. 25.

Okla., Durant—Voted $35,000 bonds for new water softening plant and 6,600 ft. 4- to 8-in. additional mains. L. V. Stinson, Durant, engr. Noted Oct. 16.

Okla., Verden—Election Nov. 4, $27,000 bonds for new waterworks, incl. well, tank, tower, pump, mains, valves and hydrants. J. C. Milliken, Chickasha, engr.

Ore., Bend—R. E. Koon, consult. engr., Spalding Bldg., Portland, making plans new water system, here. $500,000. J. Dubois, Bend, engr.

Que., Verdun—See "Streets & Roads."

Ont., Acton — Making plans extending water system, incl. 8,000 ft. 6 in. c.i. pipe, hydrants, etc. $25,000. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs.

Ont., Belle River—Canadian Natl. R.R. and Wabash R.R., St. Thomas, making plans pumping station, here. $25,000. W. H. Toole, c/o owners, engr.

BIDS DESIRED

N. Y., Long Island City—Oct. 31, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Rockaway Blvd., Burnside and McNeil Aves., here.

N. Y., Long Island City—Nov. 7, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Rockaway Beach and Far Rockaway Blvd., Beach 95th and Beach 38th Sts., here.

Pa., St. Benedict — Nov. 3, by West Carroll Twp. School Bd., A. S. Sharabaugh, secy., 1,950 ft. 2 in. water pipe line and concrete reservoir, 90 ft. diam. $15,000. I. J. Pfeister, Spangler, engr.

Fla., Cocoanut Grove—Nov. 24, by H. D. Justison, mayor and Bd. Alderman, waterworks system, etc., Main Eng. Co., 112 Baker St., Daytona, engr.; adv. E. N.-R. Oct. 30.

O., Cleveland—Oct. 31, 1 story 54 x 54 ft. addition to West Filter Gallery, at Division Ave. Filtration Plant. $44,000. H. Kregelius, 604 City Hall, engr.

O., New Bremen—Nov. 7, by City Council, improving water works plant, overhead electrical distribution and ornamental street lighting systems. C. M. Kelso Co., Reibold Bldg., Dayton, engrs.

Mich., Detroit — Nov. 12, by Bd. Water Comrs., 176 East Jefferson Ave., 42,000 lin. ft. more or less mains. H. S. Starkey, secy.; adv. E. N.-R. Oct. 30.

Ark., Gurdon—Taking bids waterworks, distribution and sewerage systems, $140,000. Dickson & Watkins, Boyle Bldg., Little Rock, engrs. Noted June 26.

Tex., Blooming Grove—Nov. 6, by G. E. Ramsey, city secy., for sewer and water works systems. $100,000. Elrod Eng. Co., 3124 Elm St., Dallas, engrs. Noted July 10.

Tex., Irving—Nov. 8, by Irving Fresh Water Dist., c/o L. Hancock, secy., waterworks improvements, incl. artesian wells to Woodbine sands, 50,000 gal. tank and tower, mains and laterals. Koch & Fowler, 606 Central Bank Bldg., Dallas, engrs. Noted July 10.

Colo., Denver—Nov. 18, by Bd. Water Comrs. of City and Denver Co., 1509 Cleveland Pl., Conduit 12, 54 in. internal diam., steel. B. Lowther, ch. engr.; adv. E. N.-R. Oct. 30.

Colo., Denver—Nov. 20, by Bd. Water Comrs. of City and Denver Co., 1509 Cleve-

Waterworks (Continued)

land Pl., pumping equipment, f.o.b. cars Denver. B. Lowther, ch. engr.; adv. E. N.-R. Oct. 30.

Nev., Lovelock—Nov. 4, by C. H. Jones, city clk., twelve 4 in. Iowa fire hydrants with 4 in. flanged inlet faced and drilled 3 ft. bury, two 2½ in. Pacific Coast Thread hose nozzles, and eleven 4 in. No. 461 Iron Body flanged gate valves faced and drilled.

Calif., El Centro — Nov. 5, by J. S. Loofbourow, city clk., one 250,000 gal. elevated water tank complete, and 1 rein.-con. reservoir for filtered water. Noted Aug. 14.

Calif., El Centro — Nov. 18, by J. S. Loobourow, city clk., 2 dual drive centrifugal pumping units, 2 electric motor driven centrifugal units, 1 vertical centrifugal pump and 1 switch board complete, for City.

Calif., Los Angeles—Taking bids pumping engines, Spec. 1017. J. L. Griffin, city engr.

Calif., Whittier—Nov. 10, by P. Gilmore, city clk., 1 horizontal centrifugal pump with 220 volt, 3 phase induction motor.

Ont., Port Elgin — Taking bids waterworks pumps. R. McLaren, chn. City Council.

BIDS RECEIVED

N. Y., Brooklyn — N. J. Hayes, comr. Water Supply Gas & Electricity, Municipal Bldg., New York, mains in Bedford, Hegeman, and Troy Aves., etc., here, from Knight & DeMicco, Inc., 448 East Tremont Ave., New York, $26,585. Noted Oct. 16.

N. Y., Long Island City—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains, etc., in 149th Pl., Vandeventer, 4th, Lee, Woodward, 36th, 59th and 81st Aves., Honeywell, Charles, High, Hollywood, Mead, Ralph and Tremont, 169th and 203rd Sts., here, from Stanhey Constr. Co., Stanley St., $21,849. Noted Oct. 23.

N. Y., Long Island City—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Ayr, Edsall, Joy and Montgomery Aves., Hosack and Van Horn Sts., etc., from J. A. Gregory, 351 East 124th St., New York City, $17,539; mains in North Railroad, Otis and 57th Aves., etc., from Norton & Rigney, Richmond Hill, $21,464. Noted Oct. 16.

N. Y., New York—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Bogart, Croes, Ellis Aves., etc., from Melrose Constr. Co., 230 East 162nd St., $50,960. Noted Oct. 16.

N. Y., New York—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Pelham Parkway, Allerton, Arnow, Colden, Cruger, Edson, Ely, Grace, Gunther, Hone, Laconia, Lurting, Mace, Morgan, Needham, Olinville Paulding, Radcliffe, Tieman, Wallace, Waring, Wilder and Yate Aves., Camp, East 213th and East 224th Sts., from Riverdale Water Works, 144 Bway., $18,300. Noted Oct. 23.

CONTRACTS AWARDED

R. I., Providence—Sluice gates, to Coldwell-Wilcox Co., South End, Newburgh, N. Y., $41,778; operating tables, to International Filter Co., 333 West 25th St., Chicago, Ill., $9,200; hoppers, to Amer. Kron Scale Co., 430 East 53rd St., New York City, $3,177. Noted Sept. 18.

N. Y., New York—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Andrews Bay, Legett, Longfellow Sts., etc., to Wataga Contg. Co., 308 Lenox Ave., $49,605. Noted Oct. 23.

N. Y., New York—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Ampere, Appleton, Baisley St., etc. to Riverdale Waterworks Corp., 355 East 113th St., $37,500.

La., Berwick — S. Watkins, mayor and Bd. Aldermen, improving waterworks and electric light systems, 27,000 ft. 4 and 6 in. pipe, to Natl. Cast Iron Pipe Co., Tarrant City, Birmingham, Ala.; and 2 in. pipe, to Amer. Cast Iron Pipe Co.; oil engine equipment, to Fairbanks Morse & Co., 608-614 Magazine St., New Orleans; electrical equipment to Westinghouse Electric & Mfg. Co., Maison Blanche Bldg., New Orleans, pole line materials, to Interstate Electric Co., 356 Baronne St., New Orleans; hydrants and valves, to R. D. Wood & Co., 400 Chestnut St., Phila., and general construction work, to G. P. Sledge, Berwick. Noted Sept. 11.

O., Cincinnati—Comrs. Hamilton Co., 84,970 ft. 6- to 12-in. c.i. mains for Water Supply line 1, Dist. 1, at Indian Hills and Mederia, to Crumley, Jones & Crumley, 2301 Concord St., $261,494. Engrs. est. $348,334. Noted Oct. 30.

Michigan — State Hy. Dept., Lansing, special drainage work on State Trunk Line Rd. 25-8, A, B and C, Schoolcroft Co., to Hill & Belknap, East Tawas, $45,147.

Ill., Crystal Lake—For 4,260 ft. 4 in. c.i. pipe, 8 fire hydrants, 4 valves, etc., to E. R. Harding, 400 Robinson Bldg., Racine, Wis.

Ill., New Athens—For 500,000 gal. filtration plant, etc., to A. P. Poirot, Belleville. Noted Sept. 18.

Ill., Princeton—Bureau Co., 159,000 cu. yd. excav. in Elm Island and Coal Creek Ditches, to W. E. Long, Sheffield, at $0.135 per cu.yd.

Wis., Black River Falls — New Water supply, incl. dam and filtration galley, pump, motor and industrial engine, etc., to A. Larson & Co., Barstow St., Eau Claire, $14,400; pump, etc. to Allis Chalmers Co., Greenfield Ave., Milwaukee, $2,195. Engrs. est. $17,000. Noted Oct. 16.

Ia., Oxford—Two deep wells, to Emery & Nolan, 208 A Ave. W., Cedar Rapids, $5,600. Noted Aug. 28.

Minn., Albert Lee—Freeborn Co. D. D. 30, 160,255 cu.yd. excav., 660 lin.ft. 8 in. drain, Sects. 1 and 3, to L. Davis, Mason City, Ia., $22,108; Sect. 2, to Mikelson Cement Products Co., Albert Lea, $8,053. Noted Oct. 2.

Neb., Lincoln — For 5 m.g. concrete reservoir at A St. power plant, to Knudsen & Co., 1338 M St., $63,000; two 500 hp. steam boilers, to Murray Iron Wks., Burlington, Ia., $22,950; 2 soot blowers, to Diamond Power Specialty Co., 10340 Oakland St., Detroit, Mich., $1,086; 2 chain grate stokers, to Green Eng. Co., Kennedy St., East Chicago, Ind., $6,190; economizer, to Green Fuel Economizer Co., Beacon, N. Y., 13,632; 2 superheaters to Power Specialty Co., 11 Bway., New York City, $3,459. Noted Oct. 23.

Tex., Ralls—Waterworks improvements, to J. B. Winslett, 1001 Main St., Dallas, $37,700. Engrs. est. $50,000. Noted Oct. 23.

Okla., Hollister — Waterworks and distribution system, to Municipal Excavator Co., 200 East Main St., Oklahoma City, $13,166. Engrs. est. $15,000. Noted May 15.

Wash., Seattle—Bd. Pub. Wks., Oct. 10, c.i. mains in 1st Ave. S., et al., to J. L. Smith, Pioneer Bldg., $197,917. Noted Oct. 23.

Sewers

PROPOSED WORK

Mass., Dorchester (Boston, P. O.)—Dept. Pub. Wks., Sewer Div., Boston, plans sewers in Cottage Pl., Ralston Rd., Hyde Park, Lenoxdale and Myrtlebank Aves., here. $25,000. J. A. Rourke, comr.

Conn., Wallingford — Plans during 1925 sand filtration bed and Imhoff tank. $50,000. W. A. MacKenzie, Town Hall, engr.

Pa., Gettysburg—Gettysburg Boro election Nov. 4, $55,000 bonds outfall sewer and sewage disposal.

Pa., Harrisburg—Election Nov. 4, $150,000 bonds for sewers.

Md., Baltimore—Election Nov. 4, $10,000,000 bonds for new sewers.

O., Akron—Election Nov. 4, $3,500,000 bonds, sewers and appurtances in 697,320 ft., Sects. North, West, South and East Hill, also other sections where necessary. Total $3,726,300. J. E. Root, 300 Delaware Bldg. engr.

Mich., Clawson—Making plans 717 ft. 10 in., 5,010 ft. 12 in., 740 ft. 18 in. and 805 ft. 20 in vitr sewers in various streets $25,000. Ruhling & Holdsworth, 16549 Woodward Ave., Highland Park, engrs.

Ill., Mascoutah—Making preliminary surveys sanitary sewerage system, disposal plant, etc. To exceed $25,000. S. Krebs, Public Square, Belleville, engr.

Wis., Cudahy—Plans storm sewer outlet. $25,000. Engineer not selected.

Kan., Kansas City—Plans 10,950 ft. concrete combined sewer and storm conduit, for Fairfax D. D., also 1 mi. 24 and 30 in. for city. Horner & Wyatt, McMillen Bldg., Kansas City, Mo., engrs.

Mo., Pattonsburg—Making plans sanitary sewerage system. Black & Veatch, 700 Mutual Bldg., Kansas City, engrs.

Tex., Caldwell — Made plans sewerage system. $45,000. Municipal Eng. Co., Praetorian Bldg., Dallas, engrs. Noted Sept. 25.

Tex., Groveton — Election soon $50,000 bonds new sewerage system.

Tex., Livingston—Election soon $40,000 bonds new sewers. W. D. Willis, city secy.

Calif., El Segundo—Plans election $25,000 or more bonds for sewerage system. R. T. Hutchins, city engr.

Calif., Huntington Beach—Plans election $25,000 bonds sewage disposal plant. E. M. Billings, city engr.

Calif., Lakeport—Plans sewage disposal plant. $25,000 or more.

Que., Sherbrooke—Plans to expend $77,000 for sewers.

Ont., Kincardine — Plans storm sewers. $39,000. W. Butler, town clk. Engineer not selected.

B. C., South Vancouver — Making plans and takes bids in about 2 months, sewers in Commercial Dr. $140,000. E. Todd, Municipal Hall, Engr.

BIDS DESIRED

Conn., Hamden (New Haven P. O.) — Nov. 10, by F. W. Wright, town engr., Hamden Memorial, Town Hall, for 41,305 lin.ft. 8- to 24-in. tile, and 2,040 lin.ft. 8- and 24-in. c.i. sewer in Whitneyville, here.

N. Y., Larchmont—Nov. 20, by Village Trustees, Municipal Bldg., improving sewerage system. N. S. Hill, Jr., 112 East 19th St., New York City, consult. engr.; adv. E. N.-R. Oct. 30.

N. Y., Long Island City—Oct. 31, by M. E. Connolly, pres. Queens Boro., Queens Subway Bldg., sewers in Bway., Saull St., Elmhurst, Roosevelt, Cherry, Colden and Laburnum Aves.

N. Y., New York — See "Streets and Roads."

Pa., Sharon—Nov. 18, by City, inverted sewage siphons across Shenango River. L. E. Burnside, city engr.; adv. E. N.-R. Oct. 30.

W. Va., Clarksburg—See "Streets and Roads."

Ill., Deerfield—Nov. 10, by city, combined sewerage system, incl. large monolithic concrete and vitr. clay pipes. $180,000.

Wisconsin — Nov. 1, by J. H. Fowles, secy. Metropolitan Sewerage Comn., 508 Market St., Milwaukee, 10,960 lin.ft. 24 in. terra cotta sewer, etc., along Honey Creek from Wauwatosa to West Allis. $275,000. T. C. Hatton, c/o owner, engr.

Wis., Milwaukee—Nov. 14, by Sewerage Comn., 508 Market St., conveyor system, handling sludge in filter and dryer house at Jones Island. J. H. Fowles, secy.; adv. E. N.-R. Oct. 30.

Tex., Blooming Grove — See "Water Works."

Tex., Corpus Christi—Nov. 10 by C. C. Cocke, engr., Corpus Christi, furnishing 4,600 yd. mud shell at Corpus Christi, 1,600 yd. at Nueces Switch, 52,000 yd. at Viola Switch, also contract to surface 2½ mi. on Calellan Rd., 74,000 yd. shell, also 1.8 mi. surfacing on London Rd., 151,600 yd. shell for Nueces Co. $60,000. H. R. Sutherland, co. judge.

Calif., Claremont — Nov. 6, by City Trustees, furnishing and distributing 59,400 ft. 4- to 12-in. vitr. sewer pipe. O. A. Gierlich, 1st Natl. Bank Bldg., Monrovia, engr.

Ont., Toronto—Oct. 31, by W. A. Clarke, clk. York Twp., constructing activated sludge sewage disposal plant. $60,000. James, Proctor & Redfern, 36 Toronto St., engrs.

BIDS RECEIVED

N. Y., Brooklyn—E. Riegelmann, boro. pres., Boro Hall, Oct. 22, (**e.e. means engineers estimate**) from J. J. Guinan Contg. Co., 2314 Gravesend Ave., sewers in West 33rd St. 77% e.e. $5,573; from Tozzi Contg. Co., 136 63rd St., sewer in 78th St. 74.49% e.e. $5,534; from J. Asaro, sewers in 80th St. 70% e.e. $3,964, Avenue M, 77% e.e. $1,385, 7th Ave., 80% e.e. $1,376, Fort Hamilton Parkway, 80% e.e. $1,152, from R. Iovino, sewer in New York Ave., 79.75% e.e. $733.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro., Queens Subway Bldg., Oct. 27, (1) reconstructing outlet of Remsen St. Sewer, (2) sewers, etc., in Metropolitan Ave., from J. Gallo, 203 Division St., Brooklyn, (1) $4,415 (2a) $24,546; from J. Johnson Sons, 455 Bway., West New Brighton, (2b) $18,813.

Pa., Phila. — Dept. Pub. Wks., Bureau Surveys, removing old and constructing new sewers in 13th, Iseminger, Camac, 12th, Marvine and Bigler Sts., from J. J. McHugh, 1617 Race St., $53,052; intercepting sewer along Pennypack Creek, from Ryan Constr. Co., 735 Real Estate Trust Bldg., $247,045; electric wiring lighting units and signals for Northeast Sewage Treatment Wks. at Wheatsheaf Lane east of Richmond St., from W. P. Pangborne, 1925 West Montgomery Ave., $28,384.

Sewers (Continued)

O., Cleveland—For 5,060 ft. 12- to 24-in. vitr. tile sewer, in Muskoka Ave., from Hadded & Karial Constr. Co., 415 Eagle Ave., $18,366, 960 ft. 6 x 6 ft. concrete sewer in Green Creek Culvert, from Langahan Constr. Co., Marshall Bldg., $24,995. Noted Sept. 25.

Okla., Tulsa—For 13,500 ft. 30 and 42 in. concrete storm sewers between Exposition Grounds and Central Park, from Lawrence & McSpadden, Vinita, $55,864. Engrs. est. $66,000.

Calif., Alhambra — City Trustees constructing sewers in various streets, from Cox and Tegert, 615 North Olive St., 48,136 lin.ft. 8 in. vitr. sewer at $0.98 per ft., 151 manholes $80, drop manholes, etc., total $92,918. Noted Oct. 23.

CONTRACTS AWARDED

Mass., South Boston (Boston P. O.)—Dept. Pub. Wks., Boston, sewerage works in Bibford St., to V. Bartlette, 10 Whipple Ave., West Roxbury, $17,024. Engrs. est. $25,000. Noted Oct. 2.

N. Y., New York—J. Miller, pres. Manhattan Boro., Municipal Bldg., altering and improving extension outlet sewer in East 4th St. and East River, to McCormick & Matthews, $23,026. Noted Oct. 23.

Pa., Johnstown—Sanitary sewer in Sect. 7 and A St. sub-main, incl. 6,000 lin.ft. 24 in. rein.-con. 1,268 ft. 18 in. and 2,000 lin.ft. 8 in. terra cotta, and 786 ft. 6 in. c.i. pipe, etc., to G. T. Morgan Constr. Co., Johnstown, $144,887. Noted Oct. 2.

O., Akron—W. F. Peters, dir. Pub. Serv., 4,360 ft. segmental block, trunk sewer, inlets, manholes etc., in South and Inman Sts., to Shullo Constr. Co., 990 Chalker St., $67,675. Engrs. est. $76,961. Noted Oct. 23.

O., Cleveland — Bd. Comrs. Cuyahoga Co., 44,000 ft. 8- to 48-in. segmental block sewers in Impvt. 70, to Langahan Constr. Co., Marshall Bldg., $169,966. Noted Sept. 25.

O., Silverton (Mail Pleasant Ridge, Branch Cincinnati, P. O.)—Hamilton Co. (Cincinnati), 41,270 ft. 6- to 12-in. vitr. clay sewer in Sewer 1, Dist. 1, here, to W. Hennigan, Biddle Rd., Cincinnati, $98,797. Engrs. est. $106,096. Noted Oct. 23.

Mich., Detroit — Constructing 10,767 ft. 12- to 20-in. vitr. crock sewer in Lateral 4254 to H. Ponterelli, 1974 Hale Ave., $20,-765; 1,693 ft. 12- to 15-in. in Lateral 4238, to Western Constr. Co., 1208 Ford Bldg., $3,206; 6,151 ft. 12- to 24-in. vitr. crock in Lateral 4240, J. C. Westover, Detroit, $11,-930; 1,094 ft. 12- to 20-in. crock in Lateral 4249, to Detroit Drainage Constr. Co., 5099 LeMay Ave., $4,130; 1,013 ft. 24 in. crock in Lateral 4253, to P. Cappello, 2255 St. Joseph Ave., $11,678.

Mich., Detroit — Dept. Pub. Wks., 6,151 ft. 12- to 24-in. vitr. pipe in Lateral 4240, to S. Fattore, 2201 St. Joseph Ave., $34,681.

Wis., Elkhorn — Improving and constructing addition to sewage disposal plant, and ten 40 x 90 sand filters, siphon chamber, etc., to Cowell Eng. Co., Kenosha. Noted Oct. 9.

Wis., Milwaukee—Dept. Pub. Wks., vitr. sewers, in 26th St., to J. Forrestal Co., 215 15th St., $4,197, 27th St. from Atkinson Ave. to point north, to T. G. Holton, 345 27th Ave., $289, 18th and 27th Sts. from Vliet St. to Washington Blvd., to J. Brogan & Sons, 700 Dousman St., Green Bay, $12,048, 57th, Lake, 25th and West 24th Sts., also rein.-con. and box sewer in 27th St. from Lake St. to Ruby Ave., to G. E. Zimmermann, 3402 Grand Ave. $54,350.

Wis., South Milwaukee—R. Schauer, city clk., complete rein.-con. sewage disposal plant, to Kroening Constr. Co., 39th Ave. and Mitchell St., $23,720. Noted Oct. 16.

Minn., Hawley—Sanitary sewerage system, to Hanson & Hermanson, Redwood Falls, $23,436. Noted Oct. 2.

Okla., Tulsa—Sanitary sewers in Sanitary Sewer Dist. 209, to Comstock-Smedley Co., Iowa Bldg. Engrs. est. $25,335.

Calif., Carmel-By-The-Sea — For 6, 8 and 10 in. sewers in San Antonio Ave., etc., to Stroud Bros. & Seabrook, Union Ave., Bakersfield, $41,465. Noted Oct. 23.

Bridges

PROPOSED WORK

Pa., Norristown — Comrs. Montgomery Co. plan rein.-con. bridges over Schuylkill River above Bridgeport. W. Cressman, Norristown, engr.

Tenn., Columbia—Maury Co. appropriated $35,000 new bridge over Duck River. B. Wilkes, Court House, engr. Noted July 17.

O., Akron—Summit Co. election Nov. 4, $40,000 bonds, probably concrete girder bridge, on Cuyahoga St. R. E. Willems, Court House, engr.

O., Cincinnati—See "Streets and Roads."

O., Portsmouth — Portsmouth-Fullerton Bridge Co., plans bridge over Ohio River. S. Labold, 1st Natl. Bank, pres. $750,000. Engineer not selected.

Neb., Dakota City — Election Oct. 27, $200,000 bonds for bridges. G. J. Boucher, city clerk.

Neb., North Platte—City and Lincoln Co. take bids in November constructing steel and concrete bridge, 18 ft. roadway, north of here. $80,000. R. Cochrane, Lincoln, engr. Noted Aug. 28.

Tex., Canadian — Hemphill Co. having revised plans prepared bridges on 1.15 mi. State Highway 4; 601 ft. timber trestle repair bridge across Big Timber Creek and Dip across west fork Horse Creek. $60,000. Noted Sept. 11.

Okla., Oklahoma City — Oklahoma Co. made surveys and takes bids this winter three 60 ft. span rein.-con. bridge over North Canadian River, at Eastern Ave. $40,000. J. M. Page, Capitol Bldg., Oklahoma City, engr.

Wash., Tacoma—Comrs. Pierce Co. take bids about Nov. 30, steel, single-leaf bascule bridge on concrete piers, with 20 ft. roadway, two 5 ft. sidewalks, and timber approaches over Hylebos Waterway. $65,000. M. M. Caldwell, Central Bldg., Seattle, engr. Noted Sept. 25.

Que., Montmorency — Dept. Pub. Wks., Quebec, making plans bridge, here. $300,-000. I. E. Vallee, Quebec, ch. engr.

BIDS DESIRED

Vermont—Nov. 6, at office of T. W. Dix, ch. engr. Dept. Highways, Montpelier, one 95 ft. deck plate girder steel bridge with concrete floor and approaches.

Mass., Boston—Nov. 18, by Dept. Pub. Wks., rebuilding Dartmouth St. Bridge. $35,000 bonds. J. A. Rourke, comr.

N. J., Hightstown—Nov. 5, by Bd. Freeholders Mercer Co. (Trenton), repairing and improving timber and steel bridge over Rock Creek, here. $25,000. H. F. Harris, Court House, Trenton, engr.

New Jersey—Nov. 17, at office State Hy. Comn., Trenton, two 75 ft. span steel plate girder bridge, with 2 earth embankment approaches and macadam paving over Pequannock River, M. P. 14.4, on State Highway Route 8, Morris and Passaic Counties. A. L. Grover, secy.; adv. E. N.-R. Oct. 30.

La., New Orleans—Dec. 15, at office Dept. Pub. Finance, Purch. Div., Room 24, City Hall, single leaf bascule bridge over Navigation Canal, South Carrollton Ave. R. M. Murphy, comr.; adv. E. N.-R. Oct. 30

La., Tangipahoa — Nov. 13 (extended date), by State Hy. Comn., Reymond Bldg., Baton Rouge, 161 ft. steel swing span bridge over Pass Manchac, on Federal Aid Project 133, St. John the Baptiste and Tangipohoa Parishes. Noted Oct. 23.

Michigan—Nov. 10, by State Hy. Dept. at office Comrs. Kent Co., Grand Rapids, constructing Bridge 411702, one 90 ft. rein.-con. slab type. G. C. Dillman, Lansing, ch. engr.

Michigan—Nov. 12, by State Hy. Dept. at office Comrs. Arenac Co., Standish, constructing Bridge 031101, one 90 ft. concrete girder span. G. C. Dillman, Lansing, ch. engr.

Mich., Detroit—Nov. 11, by Bd. Comrs. Wayne Co., constructing Bridge 820308, at Mile 4.7, Ford Rd., 460,000 lb. steel, etc.; also Bridge 8203008, at Mile 1.4, Division Rd. S., 461,000 lbs. structural steel. H. A. Shuptrine, 1103 Real Estate Exch., engr.

Kan., Edwards—Nov. 17, by Clerk Kinsley Co., five 100 ft. span steel truss bridge, on Federal Aid Project 267-A, 4,920 lin.ft. wood in piling. Dodd & Finney, 216 West 6th St., Topeka, engrs.

Neb., Brady—Nov. 13, by T. Lowe, Jr., clk. Lincoln Co. (North Platte), steel and concrete bridge 18 ft. concrete roadway over Platte River near here. $60,000. R. Cochrane, Lincoln, engr.

Tex., Houston—Harris Co., C. H. Bryan, judge, Oct. 14, six over 20 ft. span rein.-con. bridges, on State Highway 19, from B. H. Faber, Columbus, $38,921. Engrs. est. $44,930. Noted Oct. 9.

Okla., Sapulpa — Nov. 6, by State Hy. Dept., Oklahoma City, two 100 ft. span, rein.-con. bridge, over Palecat River near, here, Creek Co., 517 cu.yd. concrete, 39,000 lb. reinforcing, 7,300 lb. structural steel, $30,000. J. M. Page, highway engr.

California—Nov. 10, by State Hy. Comn., Sacramento, one 34 ft. and two 21 ft. span rein.- con. bridge, 21 ft., over Simmons Creek, San Louis Obispo Co. R. M. Morton, Forum Bldg., Sacramento, highway engr.

BIDS RECEIVED

Calif., Modesto—Supervs. Stanislaus Co., 16 rein.-con. bridges in various sections of county, from G. J. Ulrich, Modesto, $31,192. Noted Oct. 9.

CONTRACTS AWARDED

Miss., Hattiesburg — See "Streets and Roads."

O., Columbus — W. H. Duffy, dir. Pub. Serv. and 4 concrete arches Calumet Ave. Viaduct, 150 ft. long, concrete over Glen Echo, to E. Elford, 307 East Gay St., $41,728.

Illinois—State Dept. Pub. Wks. & Buildings, Div. Hys., Springfield, one 60 ft. span rein.-con. bridge, Route 29, Sect. 2-B, Peoria Co., to I. D. Lain, Bloomington, $8,919; one 40 ft. span, rein.-con. bridge, Route 29, Sect. 3-B, and substructure 80 ft. steel span bridge, Route 29, Sect. 4-B, both Marshall Co., to A. P. Munsen, Marion, Ia., $4,824 and $8,630 respectively; superstructure for one 80 ft. span steel bridge, Route 29, Sect. 4-C, Marshall Co., to Illinois Steel Bridge Co., Jacksonville, $5,201.

Minnesota—See "Streets and Roads."

South Dakota—State Hy. Comn., Pierre, culverts on 6.02 mi. State Aid Project 104, Roberts Co., to J. C. Sorenson, Trent, $5,250; bridge and culverts on 4.04 mi. State Aid Project 105 Grant Co., to W. A. Barnhardt, Salem, $7,302; bridge on State Aid Project 106, Custer Co., to M. E. Morrisey, Chadron, Neb. $1,885; graveling 7.27 mi. Federal Aid Project 105 A, Brown Co., to R.R. Wiley, Summit, $7,444. Noted Oct. 9.

Missouri—State Highway Dept., Jefferson City, three 24 ft. rein.-con. slab spans, etc., over Missouri-North Arkansas R.R. tracks Barry Co., to W. F. Plummer, Springfield, $6,585, three 24 ft. rein.-con. slab spans, etc., over Quincy, Omaha & Kansas City R.R. tracks, Clay Co., to L. W. Spangler, Mexico, $4,293, one 18 ft. and two 14 ft. rein.-con. slab spans, etc., over drainage ditch, Calloway Co. to A. T. Cook, Ottawa, Kan., $4,513; reflooring, etc., one 60 ft. and one 200 ft. truss span and three 18 ft. timber trestles over Gasconade River, Pulaski Co., to Fogelman & Thompson, Iberia, $1,872; one 40 ft. rein.-con. deck girder and five 20 ft. rein.-con. slab spans, etc., over Wabash R.R. tracks, Randolph Co., to Farrell & Dubrouilet, Linn, $11,061, one 130 ft. steel truss span and two 20 ft. I-beam spans, etc., over St. Louis & San Francisco R.R. tracks, Dade Co., to Kelly & Underwood, Granby, $4,818, railroad to furnish steel, one 40 ft. and two 35 ft. rein.-con. deck girder spans, etc., over Chicago Rock Island R.R. tracks, also three 70 ft. steel deck plate girder spans and four 40 ft. and one 25 ft. rein.-con. deck girder span, over Platte River Drainage Ditch and Chicago, Burlington & Quincy R.R. tracks, to Pittsburg-Des Moines Steel Co., Tuttle and Southwest 10th Sts., Des Moines, Ia., $12,971 and $57,167 respectively.

Calif., Yuba City—Sutter Co., constructing Nicolaus Causeway, to Holdener Constr. Co., 2608 R St., Sacramento, $25,-459. Noted Oct. 23.

Dams

PROPOSED WORK

N. D., Grand Forks — Election Nov. 4, $85,000 bonds for water reservoir dam across Red River of the North. C. E. Evanson, city aud.

Wash., Yale—Northwestern Electric Co., L. F. Merwin, vice-pres., Pittock Blk., Portland Ore., making plans, 490 ft. rein.-con. dam, 140 ft. high, to develop 60,000 hp. on north fork of Lewis River, 2 mi. south of here. Two 20,000 hp. turbo electric generators to be constructed now with housing and foundation for 3rd unit, also power line to Portland, Ore., will probably be built in 1925 by day labor. $4,000,000. Private plans.

Railways

PROPOSED WORK

Connecticut—Connecticut Co., 185 Church St., New Haven, plans 9,000 ft. double track, 9 in. girder rail on steel ties, special work for crossovers, underground ducts, paving with 3 in. asphalt on 6 in. concrete, etc. on Franklin Ave., in Hartford. $200,000. H. J. Tippet, div. engr.

Texas — Interstate Commerce Comn. granted St. Louis, Brownsville & Mexico R.R., Brownsville, subsidiary of Gulf Coast

Railways (Continued)

Lines R.R. permission to construct 20 mi. railroad in Willacy and Hidalgo Counties.

California — Stockton Electric Ry. Co., North California St., Stockton, plans ½ mi. double track extension to College of Pacific Grounds, in Stockton. $40,000 or more.

BIDS DESIRED

Massachusetts — Eastern Massachusetts Street Ry. Co., 1 Beacon St., Boston, taking bids about 800 ft. track on Hancock St. between Saville and Dimmock Sts., in Quincy. Private plans.

CONTRACTS AWARDED

Wisconsin—Flambeau Paper Co., Park Falls, E. P. Sherry, 461 Jefferson St., Milwaukee, pres., 4 mi. logging railroad in Park Falls, extending into Turtle Lake territory, to Siems, Helmers & Schaffner, 514 Guardian Life Bldg., St. Paul, Minn.

Excavation, Drainage, Irrigation, Levees

PROPOSED WORK

Okla., Fairfax — Fairfax Country Club making preliminary plans earth dam and concrete spillway across Yellow Horse Creek to provide lake, 40 cu.yd. concrete, 7,300 cu.yd. earth and 600 cu.yd. rock excav. $15,000. V. D. Fry, Fairfax, engr.

BIDS DESIRED

N. Y., Buffalo—Oct. 31, by R. K. Fuller, comr. Canals and Waterways, 55 Lancaster St., Albany, excavating in old Erie Canal prism and deepening Slip 3, here, Terminal Contr. 97; adv. E. N.-R. Oct. 30. This corrects report in Oct 9 issue under "Albany."

S. C., Bennettsville—Nov. 14, at office of N. W. Edens, secy., 4 mi. Crooked Creek Drainage Canal. Johnson & Roberts, Marion, engrs.; adv. E. N.-R. Oct. 30.

California—Sacramento River West Side Levee Dist., c/o T. Rutledge, atty., Colusa, taking bids reconstructing 6 mi. levee on Sacramento River, 183,000 cu.yd. excav. in Colusa Co., and 75,000 cu.yd. excav. in Yolo Co. F. H. Tibbetts, Alaska Commerce Bldg., San Francisco, engr.

Calif., Tracy—Nov. 12, by W. Schlossman, secy. Banta-Carbona Irrigation Dist., San Joaquin Co., 323,000 cu.yd. earth excav., 460,000 sq.ft. concrete lining for canal 4,150 lin.ft. 48 in. pipe. Owner furnishes cement.

Ont., St. Catharines — Dec. 1 (extended date), by J. W. Pugsley, secy, Dept. Rys. & Canals, Ottawa, constructing Sect. 7 Welland Ship Canal, here. W. A. Bowden, Parliament Bldg., Ottawa, ch. engr. Noted Oct. 16.

Ont., Vankleek Hill—Nov. 15, by J. H. Methot, clk. Caledonia Twp., 78,000 cu.yd. dredging, etc. $40,000.

CONTRACTS AWARDED

Me., Portland—Park Comrs., City Hall, about 6,000 yds. excav. in Eastern Promenade, here, to R. Kennedy & Co., Inc., Benoit Bldg., earth excav. $0.80 per cu.yd., rock excav. $5.00 per cu.yd.

Mass., Roxbury (Boston, P. O.)—School House Dept., City Hall, Boston, to T. O'Connor & Co., 218 Main St., Cambridge, about 2,028 cu.yd. open rock blasting and excavation on grounds on new high school, here, $7.50 per yd., about 1,824 cu.yd. trench rock blasting and excav. $12 per yd, total $37,114.

Louisiana — State Hy. Dept., Reymond Bldg., Baton Rouge, 40,000 cu.yd. levee work at Myrtle Grove, to B. W. Clopton, Baton Rouge, $0.36 per cu.yd.; 22,000 cu. yd. levee work and 6,000 ft. wood revetment at Boothville, to W. F. Smith, Baton Rouge, $0.235 per cu.yd. and $1.65 per lin. ft. respectively.

Ill., Carlinville — Hoblift Bros. & Co., Carlinville Natl. Bank Bldg., 93,000 cu.yd. levee work in Blackwater D. D., Johnson Co., to C. E. Walker, Cedar Rapids, at $0.25 per cu.yd. Company will clear land of timber.

Ark., Lake Village — Chicot Co. D. D. clearing 11.5 mi. bayou, to M. P. Walker, Lake Village, at $2,700 per mi.

Que., St. Antoine de Tilly—Dept. Pub. Wks., Ottawa, dredging channels to reach landing piers, here, to Natl. Dock & Dredging Corp. Ltd., Quebec, $30,775. Engrs. est. $40,000. Noted Sept. 11.

Streets and Roads

PROPOSED WORK

Massachusetts—Metropolitan Dist. Comn., 1 Ashburton Pl., Boston plans sidewalks and boulevard at Nantasket Reservation, Plymouth Co. $202,000 appropriation asked. J. A. Rablin, ch. engr.

Mass., Boston — Dept Pub. Wks. plans constructing Ellsworth St. from Freeport St. to Dorchester Ave. and Clermont St. footway, from Bailey to Burt Sts. 25,000. J. A. Rourke, comr.

Mass., Needham—Planning Bd., plans improving and extending Warren St. through Oak Hill Sect., Needham Junction and from Dedham Ave. to South St., $25,000.

Mass., Dorchester (Boston P. O.)—Dept. Pub. Wks., Boston, plans constructing Minot St. as highway, here. $25,000. J. A. Rourke, comr.

Pa., Harrisburg — Election Nov. 4, $100,000 bonds paving and $30,000 bonds costs and damage incident to opening and grading streets.

Pa., Lancaster—Lancaster Co. election Nov. 4, $1,000,000 bonds road improvement.

Tennessee — Dept. Hys. & Pub. Wks., Nashville, making surveys improving 15 mi. Helenwood-Kentucky State Line Rd, Scott Co. J. G. Creveling, highway comr.

Tenn., Cookeville — Putnam Co. voted $70,000 bonds improving highway. J. G. Creveling, highway comr.

Tenn., Nashville — Plans to extend 9th Ave., probably asphalt paving. W. W. Southgate, City Hall, engr.

La., Winnsboro—Making plans rein.-con. paving Pine, Prairie, Allsworth and Front Sts. C. D. Evans, 308-309 Levy Bldg., Shreveport, consult. engr.

O., Akron—W. F. Peters, dir. Pub. Serv., takes bids in 1925, grading, curbing, vitr. brick paving, etc. 3,275 sq.yd. Marcy St., $26,000. E. A. Kemmler, 300 Delaware Bldg., engr.

O., Canton—Plans widening 0.75 mi. 2nd St. N. W. $50,000; also improving 7th St. S. W., $25,000. W. E. Sarver, Canton, engr.

O., Cincinnati—Hamilton Co. plans concrete paving bridges and culverts on 54,119 sq.yd. Sect. A, Dunlap-Springfield Rd, $200,000. E. A. Gast, Court House, engr.

O., Kenmore—Election Nov. 4, $30,000 bonds paving various streets. D. P. Dowling, City Hall, engr.

O., New Lexington—Perry Co. plans improving 11 mi. roads. $435,000. State to appropriate $165,000 toward cost.

O., New Philadelphia—Comrs. Tuscarawas Co., plans improving 4½ mi. New Comerston and Cambridge Rd., 18 ft. $100,000 to $125,000; also resurfacing 5 mi. Dennison Natl. Pike, 18 ft. E. Stingel, New Philadelphia, engr.

O., Ravenna—Portage Co. takes bids in spring, improving 6 mi. Garrettsville Rd., $150,000, 2.5 mi. Suffield-Congress Lake Rd., $60,000-$75,000, 5 mi. Rootstown-Edinburg Rd., $150,000, 3 mi. Deerfield-North Benton Rd., $80,000, 2 mi. Mantua Corners Rd., $25,000; widening 2 mi. Ravenna-Garrettsville Rd., $25,000, Randolph-Suffield Rd., $25,000, 2.25 mi. Kent-Brimfield Rd., $25,000, and 2.5 mi. Ravenna-Edinburg Rd., $30,000, all 18 ft.

O., Wooster—Plans during spring resurfacing Bealle Ave. and Market St.; repaving Bowman St.; paving Columbus and Saybolt Aves., Emerick, West Bowman, North Grant, Henrietta, University and Palmer Sts. C. L. Orr, city engr.

Michigan — State Hy. Dept. at office Comrs. Shiawassee Co., Corunna, rejected bids grading and concrete paving 2.652 mi. State Trunk Line Rd. 47-11 B and 1.477 mi. Sect. C.

Mich., Detroit — Making plans paving with 3½ in. sheet asphalt on 8 in. concrete 4,660 sq.yd. Braden Ave. $23,310, 5,800 sq. yd. Petoskey Ave. Sect. 5 $29,050, 3,300 sq. yd. Indiana Ave. Sect. 2 $16,460, 6,500 sq. yd. Anglin Ave. $32,990, 9,720 sq.yd. Log Cabin Ave. Sect. 2 $48,570, 6,930 sq.yd. Fleming Ave. $34,680, 1,430 sq.yd. Bethune St. $7,140, 6,930 sq.yd. Arlington Ave. $34,680, 4,800 sq.yd. Burnett St. Sect. 2 $24,060, 1,830 sq.yd. Harding Ave. $9,170, 15,850 sq.yd. Wark Ave. Sect. 1 $79,240. G. Jerome, city engr.

Ill., Galesburg—Bd. Local Impvts. soon takes bids grading, curbing, guttering and vitr. brick paving, etc., 6 blocks South Cedar, Brooks, East Fremont and Florence Rds. $30,863.

Wis., Campbellsport—City and Fond du Lac Co. plan concrete surfacing, etc., 3 mi. Main St. from depot to Highway 55. J. M. Cullough, Courthouse, Fond du Lac, engr.

Ia., Indianola—Making plans and takes bids in January brick concrete or asphalt paving 75,000 sq.yd. streets. Brown & Cook, Ottumwa, engrs.

Ia., La Mars — Plymouth Co. election Nov. 4, $2,000,000 bonds for road improvements. G. S. Huxtable, La Mars, engr.

Kan., Atchison — Making preliminary plans grading and surfacing with vitr. brick on concrete, asphalt filler, 6,400 sq.yd. Commercial St.

Kan., Highland—Soon takes bids grading, hardsurfacing, etc., 8 blocks Iowa, Kansas, Genesee and other streets.

Kan., Phillipsburg—Making preliminary plans grading and concrete, brick on concrete, asphalt on concrete or other hard surfacing various streets. $80,000. C. A. Haskins, 617 Finance Bldg., Kansas City, engr.

Neb., Omaha—Plans widening, paving, curbing, sidewalks, etc., on 24th St. between St. Marys Ave. and Farnam St. $250,000. H. Beal, City Hall, engr.

Mo., Farmington — Making preliminary plans grading, curbing and hard surfacing, etc., various streets. $40,000 upwards. C. A. Haskins, 517 Finance Bldg., Kansas City, engr.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, made preliminary plans grading Frederick St. $3,140, Graham St. $6,997; grading and paving with concrete, brick on concrete, Willite, asphaltic concrete, Warrenite or asphalt, Gardenville Ave. $7,000-$8,200, Alabama Ave. $8,400-$8,600, Eller St. $24,700-$27,500, Euclid Ave. $64,000-$76,000, Kansas St. $13,800-$15,810, Kuhs Pl. $6,700-$7,700, Milentz Ave. $25,000-$25,800, Ruskin Ave. $37,500-$43,500, Plover Ave. $21,700-$24,900, Veronica Ave. $10,500-$11,700, West Park $48,000-$54,000; grading, and paving with concrete, brick or asphaltic concrete Ponce Ave. $9,100-$10,300; grading and brick or concrete paving Lexington Ave. $12,700. W. W. Horner, city engr.

Ark., Rogers—Making preliminary plans grading, hardsurfacing, etc., 14 blocks various streets.

Tex., Waxahachie — Ellis Co. voted $180,000 bonds roads in Italy Rd. Dist. W. A. Spalding, co. engr. Noted Sept. 25.

Okla., Alva—Plans grading, curbing and concrete paving 6,600 sq.yd. 4th St. from Normal to Olive Sts. $30,000. F. E. Devlin, Bitting Bldg., Wichita, Kan., engr.

Okla., Checotah — Making preliminary plans surfacing 12 blocks Jefferson Highway and Bway., 30,000 sq.yd. vertical fibre brick, 250 cu.yd. rock excav. $75,000. Engineer not selected.

Okla., El Reno — Plans grading and paving 6 blocks Jenkins Ave. and North Parker St., 2,400 cu.yd. excav., 3,800 ft. curbing, 7,100 sq.yd. concrete. $32,000. F. H. Peckham, 203 West Grand St., Oklahoma City, engr.

Okla., Ponca City—Plans grading, curbing and brick paving 9,000 sq.yd. 9 blocks Chestnut St. $45,000. G. Smee, Ponca City, engr.

Wash., Tacoma — Commissioner Pub. Wks. takes bids in spring, concrete paving 1½ mi. McKinley Ave., 25 ft., $104,483; grading and paving 2¾ mi. North End Rd. along waterfront from Oldtown to Smelter, 75 ft. wide, 20 ft. pavement, $442,213. W. M. Bosworth, city engr.

Calif., Anaheim—Plans paving East 9th St. To exceed $25,000. J. W. Price, city mgr.

Calif., Compton—Plans concrete paving approximately 1 mi. various streets. To exceed $25,000. E. M. Lynch, Central Bldg., Los Angeles, engr.

Calif., Coronado—Plans paving various alleys. To exceed $25,000.

Calif., Inglewood — Plans grading and paving Arbor Vitae St. between Market and Kenwood Sts., $65,000 or more; Oak St., Magnolia Ave., etc., $95,000. A. W. Cory, city engr.

Calif., Lakeport—Plans paving various streets with 1.5 in. on 3.5 in. asphaltic concrete. To exceed $25,000.

Calif., Oakland — City and property owners plan paving West 14th St. $75,000. W. W. Harmon, city engr.

Calif., Santa Monica—Plans paving 8th St. and various alleys. $25,000 or more.

Calif., Willows—Glenn Co. plans constructing 3¼ mi. highway Four Corners to Colusa Co. line. B. Knock, co. surv.

Que., Mt. Royal—Plans to expend $85,000 for paving streets.

Que., Sherbrooke—Plans to expend $385,000 for paving work.

Que., Verdun — Plans to expend $325,000 for paving work, waterworks, and electric light system.

Que., Ville St. Pierre — Plans to expend $50,000 for paving work.

Ont., Pembroke—Plans to expend $60,000 for paving work.

Streets and Roads (Continued)

BIDS DESIRED

New Hampshire—Oct. 31, by State Highway Dept., Concord, bituminous macadam paving 0.9 mi. highway in Westmoreland. F. E. Everett, comr.

N. Y., Long Island City—Nov. 7, by M. E. Connolly, pres. Queens Boro., Queens Subway Bldg., sheet asphalt repaving Astoria, Hempstead and Jackson Aves.; grading, curbing, sidewalks and sheet asphalt paving 14th Ave., Ralph, Woodbine, 92nd, 104th and 116th Sts.

N. Y., New York—Nov. 3, by J. Miller, pres. Manhattan Boro, Municipal Bldg., sheet asphalt repaving 1st Ave., Peck Slip, 134th and 34th Sts., also sewer in Thayer St.

N. Y., New York—Nov. 6, by J. Miller, pres. Manhattan Boro, Municipal Bldg., granite block repaving 11th Ave. and 59th St.; curbing, recurbing, flagging and paving with 2 in. stone filled sheet asphalt Pinehurst Ave., West 183rd and 187th Sts.

W. Va., Clarksburg—Nov. 5, by D. H. Hamrick, improving Prichard Court, 1 alley, Pride, Virginia, Henderson, Franklin, Gould, Crislip, George and Richards Aves., North 12th, North 14th, North 16th, North 20th, Webster and Philip Sts., 2,300 cu.yd. grading, 1,100 ft. curbing, 4,860 sq.yd. bituminous macadam, 1,150 sq.yd. brick paving with cement filler, 100 ft. storm and 5,900 ft. sanitary sewers, 26 manholes, etc. T. S. Long, city engr.

Miss., Woodville—Nov. 3, by Comrs. Fifth Supervs. Separate Rd. Dist., at Court House, improving 12.832 mi. Stephenson-Buffalo Bridge Rd., Wilkinson Co., 40 acres clearing and grubbing 93,967 cu.yd. excav., 7,693 cu.yd. borrow, 15,118 cu.yd. gravel 1 mi. haul. 14,675 units gravel ½ mi. overhaul, 30,898 lb. reinforcing, etc.; 2.273 mi. Foster Creek-Rosetta Rd., Wilkinson Co., 4.757 acres clearing, 30,773 cu.yd excav., 13,805 cu.yd. borrow, 115,031 lb. reinforcing, 2,666 cu.yd. gravel 1 mi. haul, 115,031 lb. reinforcing etc. H. C. Dietzer, Jackson, engr.

O., Akron—Nov. 7, by Comrs. Summit Co., grading and paving, etc., 1.2 mi. Flickinger-Sanitarium Rd. 136, Sect. A-2, 16 ft., rein.-con., bituminous concrete, asphalt or tar macadam. $52,000. R. E. Willems, Court House, engr. Noted Sept. 4.

Illinois—Nov. 26, by Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, improving roads in various counties, 166.07 mi. 18 ft. paving, 37.13 mi. grading, 486,705 cu.yd. excav., 3,054 cu.yd. class A concrete, also 11 bridges in various counties, incl. 6,173 cu.yd. concrete and 86,620 lb. structural steel. Bids taken only on condition that $100,000,000 bond election of Nov. 4 is voted. F. T. Sheets, ch. engr.

Michigan—Oct. 31, by State Hy. Dept. at office Comrs. Washtenaw Co., Ann Arbor, grading Federal Aid Project 74, Sect. A and C. G. C. Dillman, Lansing, ch. engr.

Michigan—Nov. 7, by State Hy. Dept., at office Comrs. Grand Traverse Co., Traverse City, grading and surfacing Federal Aid Project 129 C, 53,315 cu.yd. earth excav., 64,422 sq.yd. concrete. G. C. Dillman, Lansing, ch. engr.

Kan., Oswego—Nov. 26, by Clerk Labette Co., grading and bituminous macadam surfacing 8.035 mi. Federal Aid Project 126-B, 4,670 ft. guard fence, 9,810 ft. hedge, 34,785 cu.yd. earth and 344 cu.yd. rock excav., 76,867 sq.yd. bituminous macadam, 192,168 gal. bituminous. H. K. Shidler, co. engr. Noted July 17.

Kan., Topeka — Nov. 25, by Clerk Shawnee Co., grading and concrete surfacing 2,530 sq.yd. Federal Aid Project 141-C, Contr. 1; grading, guttering and concrete paving 28,436 sq.yd. Federal Aid Project 141-C, Contr. 2, and 43,392 sq.yd. Federal Aid Project 141-D, Contr. 2. A. C. Lagerwall, co. engr.

Oklahoma—Nov. 6, by State Hy. Dept., Oklahoma City, **(F. A. P. means Federal Aid Project, S. P. means State Project)**, grading and gravel surfacing 9.6 mi. Davis-Wynwood Rd., F. A. P. 92, State Rd. 40, Murray Co., 98,810 sq.yd. gravel, 58,400 cu. yd. earth and 2,660 cu.yd. rock excav., $45,000, 2.5 mi. Woodville-Red River Rd., S. P. 23, Marshall Co., 26,600 sq.yd. gravel, 17,700 cu.yd. earth and 600 cu.yd. rock excav., $25,000, 8.3 mi. Kingston-Woodville Rd., F. A. P. 129, Marshall Co., 87,000 sq. yd. gravel, 57,000 cu.yd. earth and 1,800 cu.yd. rock excav., $60,000, 5.3 mi. Murray Co. line-Carter Co. line Rd., S. P. 31, Murray Co., 56,000 sq.yd. gravel, 32,500 cu.yd. earth and 1,600 cu.yd. rock excav., $30,000, 2.2 mi. Norman-Tecumseh Rd., F. A. P. 173-A, Cleveland Co., 23,231 sq.yd. gravel, 11,500 cu.yd. excav., $25,000; grading, etc., 6 mi. Mumford-Keystone Rd., F. A. P. 127, Creek Co., 36,000 cu.yd. earth and 2,000 cu.yd. rock excav., $25,000, 9.6 mi. Catoosa-Claremore Rd., F. A. P. 183, Rogers Co., 45,000 cu.yd. excav., $40,000, 10.2 mi. Perry Rd., Noble Co., 55,000 cu.yd. earth and 3,500 cu.yd. rock excav., $40,000; gravel surfacing 2.2 mi. Bank Head-Lee-Altus Rd., F. A. P. 138-A, Jackson Co., 23,230 sq.yd. gravel, 13,500 cu.yd. excav., $25,000, 6.1 mi. Jefferson Highway from Mayes Co. line to Wagoner, S. P. 74, Wagoner Co., 64,620 sq.yd. gravel, 40,000 cu.yd. excav., $30,000; grading 13.3 mi. Garfield-Jefferson Highway Rd., F. A. P. 148-C, Grant Co., 27,460 sq.yd. concrete, 69,110 cu.yd. earth and 1,800 cu.yd. rock excav., 2.6 mi. concrete slab, 318 cu.yd. concrete, 37,000 lb. reinforcing. J. M. Page, highway engr.

Okla., Norman—Nov. 11, by J. Hair, city clk., improving 7 blocks Impvt. Dist. 22, 7,000 sq.yd. concrete paving, 4,200 ft. concrete curbing, 2,400 cu.yd. excav. $30,000. F. Cobb, Norman, engr.

Okla., Wetumka — Nov. 11, by C. N. Hamilton, city clk., grading and vitr. brick on concrete surfacing 15,000 sq.yd. in Paving Dist. 2. $75,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engr.

Colorado—Nov. 7, by State Hy. Dept., Denver, concrete surfacing 12,200 sq.yd. at Platteville, Federal Aid Project 226-D, Weld Co., $39,248; gravel surfacing, etc., 32,115 sq.yd. Portland East toward Pueblo, Federal Aid Project 271-A, Fremont Co.; bituminous surfacing 19,180 sq.yd. Pueblo-Trinidad Rd., Federal Aid Project 2-R, Div. 2, Las Animas Co., $76,377. L. D. Blauvelt, State Office Bldg., engr.

Washington — Nov. 12, by State Hy. Comn., Olympia, clearing and grading, etc., 3 mi. State Rd. 8, near Washougal, Clarke Co.; paving 6.2 mi. Natl. Park Highway from Park Junction to Rainier Natl. Forest line, Pierce Co.; concrete paving 2.84 mi. State Rd. 11 from Walters to Four Lakes, Spokane Co. J. Allen, highway engr.

Calif., Blythe—Taking bids 14,000 sq.yd. 6 in. concrete paving, etc., on Hobson Way.

Calif., Lynwood — Nov. 5, by City Trustees, improving Osgood and Anderson Aves., 7,400 sq.ft. gutter, 66,830 sq.ft. grading and 4 in. oil macadam paving. E. M. Lynch, Central Bldg., Los Angeles, engr.

Calif., Redwood City—Taking bids improving Hilton, Cassis, and Maple Sts., etc., 111,252 sq.ft. 5 in. cement concrete on 3 in. broken stone, 4,253 lin.ft. concrete curb. $25,500. C. L. Dimmitt, city engr.

Calif., Roseville — City Trustees taking bids improving Vernon and Main Sts., 240,000 sq.ft. grading, 98,000 sq.ft. 2 in. Willite surface on 3 in. asphaltic concrete, 70,000 sq.ft. 2 in. Willite asphaltic concrete paving, 10,000 lin.ft. concrete curb and gutter, 133,000 sq.ft. 1½ in. Willite surface on 3 in. asphaltic concrete. J. W. Meredith, city engr.

Calif., Sacramento—Supervs. Sacramento Co. taking bids gravel surfacing 5 mi. Hartman Rd., 2¾ mi. Grant Line Rd., and 3 mi. Fetters Corner Rd. C. W. Deterding, Jr., co. engr.

Calif., San Diego — Nov. 10, by A. H. Wright, city clk., improving Canon St., 5,112 cu.yd. earth excav., 123,420 sq.ft. 4 in. concrete paving, 4,011 lin.ft. concrete curbing, etc.; Juniper and 31st Sts., 125,498 sq.ft. 1½ in. asphaltic concrete on 4 in. concrete, 11,920 sq.ft. 4 in. concrete paving, 5,531 sq.ft. concrete sidewalks, 1,180 lin.ft. concrete curbing, etc. F. A. Rhodes, city engr.

Calif., San Jose—Supervs. Santa Clara Co., taking bids improving Coffin Rd., 13,563 ft. grading and surfacing, 326,488 sq. ft. roadway and 8,800 cu.yd. waste material. Owner furnishes waste. R. Chandler, co. surv.

Calif., San Marino (Los Angeles P. O.) —Nov. 12, by H. W. Joyce, R. F. D. 3, Box 117, grading, oil macadam paving, curbing, guttering, etc., Huntington Dr., for City. To exceed $25,000.

Calif., Santa Ana—City Trustees taking bids improving Wellington Ave., 46,041 sq.ft. 5 in. asphaltic concrete paving, 351 ft. curbing, 846 sq.ft. sidewalks, etc.; Valencia St., 34,379 sq.ft. 5 in. concrete paving, 303 sq.ft. sidewalks, etc. W. G. Knox, city engr.

Calif., Sebastopol—City Trustees taking bids improving Morris, Wilton and Florence Aves., 105,000 sq.ft. 3 in. Willite and portions with 1.5 in. Willite on 2.5 in. asphaltic concrete, 900 cu.yd. excav., 800 lin.ft. concrete curb. C. E. Mueller, Grafton, engr.

Calif., Visalia — Taking bids improving streets in Dist. 3, 200 cu.yd. grading, fill and cut, 47,712 sq.ft. concrete sidewalks, 7,385 lin.ft. concrete curb; Dist. 4, 300 cu. yd. grading, fill and cut, 127,555 sq.ft. concrete sidewalks, 23,199 sq.ft. concrete curb. To exceed $45,000. L. H. Gadsby, city engr.

BIDS RECEIVED

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, Oct. 22, from W. J. McHale Contg. Co., 1250 Jefferson St., curbing and flagging East 26th St. $2750; from Borough Asphalt Co., 1301 Metropolitan Ave., asphalt paving East 26th St. $8,893, East 35th St. $8,890, Brooklyn Ave. $11,259; from Cranford Co., 52 9th St., Herzl St. $13,763, 11th Ave. $13,431, 81st St. $12,828, 76th St. $8,066, Cleveland Realty Co., Flushing, East 35th St., $12,460; from Brooklyn Alcatraz Asphalt Co., 48 Hamilton Ave., 43rd St. $4,199, East 5th St. $6,734.

N. Y., New York—J. Miller, pres. Manhattan Boro., Municipal Bldg., constructing stairway on Riverside Dr. at West 160th St., from M. Del Balso, 4196 Paulding Ave., $31,175; grading, curbing and flagging West 214th St. and Indian Rd., from S. Nugent, 285 West 150th St., $7,701. Noted Oct. 16.

N. Y., New York — H. Bruckner, pres. Bronx Boro., Tremont and 3rd Aves., from I. F. Cavaluzzo, 1538 Walton Ave., grading, curbing and sidewalks on Johnson Ave. $24,823, Hollywood Ave. 21,288, grading, etc., Astor Ave. $23,110; from T. Di Roma, 33 Evelyn Pl., grading, curbing and sidewalks on Rosedale Ave. $22,850, from C. De Blasio, 339 7th Ave., Mt. Vernon, Thierot Ave. $3,774. Noted Oct. 16.

Maryland — State Rds. Comn. Baltimore, concrete paving 1.7 mi. Contr. A-21, Allegany Co., from H. W. Kaylor, 106 Arcade Bldg., Hagerstown, $79,293. Noted Oct. 16.

Louisiana — State Hy. Dept., Reymond Bldg., Baton Rouge, graveling 7.19 mi. highway, Grant Parish, from Winnfield Constr. Co., Winnfield, $32,693.

O., Cleveland — Cuyahoga Co., paving Euclid Ave., from F. B. Stein, Euclid, asphalt, $173,167, brick $199,747, and granite $283,306.

Tex., Palo Pinto—Palo Pinto Co., from Smith Bros., Inc., Amer. Exch. Bldg., Dallas, surfacing with **(a)** 2 in. bituminous macadam **(b)** limestone rock asphalt (hot mix) **(c)** 2 in. Amesite, 10.87 mi. State Highway 1 from Strawn to Metcalfe Gap, Federal Aid Project 294-A, **(a)** $97,527 **(b)** $139,980 **(c)** $131,949, 15.47 mi. State Highway 1 from Eagle Creek to Mineral Wells, Federal Aid Project 382, **(a)** $144,607 **(b)** $216,061 **(c)** **$204,153**, 5.81 mi. State Highway 1 from Eagle Creek to Metcalfe, Federal Aid Project 35, **(a)** $52,190 **(b)** $84,732 **(c)** $79,820; from Texas Willite Rd. Constr. Co. and Womack Constr. Co., Sherman 1 in. bituminous surfacing 9.81 mi. Federal Aid Project 369, $35,183. Noted Sept. 25.

Colorado—State Hy. Dept., Denver, paving 7.008 mi. Federal Aid Project 275-A, Douglas Co., from A. J. Collins, 2363 Blake St., Denver, concrete $336,736, from Strange Maguire Co., 401 Utah Savings & Trust Bldg., Salt Lake City, Utah, asphalt and Topeka $336,156, from Allied Constr. Co., 411 Majestic Bldg., Denver, coarse graded asphalt, $353,607, engrs. est. $363,646; gravel surfacing 3.064 mi. Federal Aid Project 253-B, Routt Co., from Hinman Bros., 3358 Race St., Denver, $66,583, engrs. est. $72,737.

CONTRACTS AWARDED

Massachusetts — Dept. Pub. Wks., Div. Highways, State House, Boston, bituminous macadam paving 9,843 ft. highway in Williamstown, to D. S. McGrath, Inc., Adams, $108,840; 2,000 ft. in Methuen, to J. E. Watkins, 10 Fern Ave., Amesbury, $20,984; 1,155 ft. in Bridgewater, to Powers Bros., 161 Montello St., Brockton, $12,922. Noted Oct. 23.

Mass., Boston—Dept. Pub. Wks., removing walks and filling in Cambridge and Court Sts., to Coleman Bros., Inc., 245 State St. Engrs. est. $25,000.

Mass., Charleston (Boston P. O.)—Dept. Pub. Wks., Boston, granite block paving Chelsea St., here, to B. E. Grant Co., 99 West Cedar St., Boston, $31,536.

N. Y., Long Island City — M. E. Connolly, pres. Queens Boro., Queens Subway Bldg., grading Woodhaven Blvd., to Welsh Bros. Contg. Co., 32 Queens St., $255,010. Noted Oct. 23.

N. Y., New York—J. Miller, pres. Manhattan Boro., Municipal Bldg., granite block repaving King St., to Porler Contg. Co., 1476 Bway., $45,170, Lafayette St., to P. Cramer, 154 East 50th St., $6,738, 93rd St., to Asphalt Constr. Co., 208 Bway., $19,912; sheet asphalt repaving Ave. A, to Cleveland Trinidad Co., Flushing, $14,463, 61st St., to Uvalde Asphalt Paving Co., 1 Bway., $24,129, West 189th St., to Interboro Asphalt Co., 2306 Creston Ave., $11,489. Noted Oct. 9.

N. Y., St. George—J. A. Lynch, pres. Richmond Boro., Boro Hall, grading and concrete paving Hylan Blvd., to Colgan & Colgan, 90 William St., New York, $144,803. Noted Oct. 16.

N. Y., St. George—J. A. Lynch, pres. Richmond Boro., Boro Hall, granite block repaving Clove Rd., to Vanbro Constr. Co., 24 Elizabeth St., West New Brighton, $23,175. Noted Oct. 23.

Streets and Roads (Continued)

N. J., Freehold — Freehold Twp. Com., Library Bldg., graveling 2.03 mi. Elton-Adelphia Rd., to Jannarone Contg. Co., 225 Passiac Ave., Belleville, $29,378. Noted Oct. 9.

Md., Baltimore—Bd. Awards, sheet asphalt paving 18,280 sq.yd. Contr. 266-OANA, to Amer. Paving Co., Montebello Ave., $80,073. Noted Oct. 23.

Pennsylvania—State Hy. Dept., Harrisburg, **(R. means Route)**, rein.-con. surfacing R. 136, Lancaster Co., to G. Raub, Red Lion, 95,300 sq.yd. rein.-con. $3.43, 46,656 cu.yd. unclassified excav. $0.96, total $440,517; R. 268, Washington Co., to Petriello Bros., South Brownsville, 4,980 sq.yd. rein.-con. $4.50, 4,678 sq.yd. unclassified excav. $2.75, total $41,998; R. 149, Lebanon Co., to Continental Contg. Co., Knickerbocker Bldg., Baltimore, Md., 3,950 sq.yd. 10 x 7 x 10 in. rein.-con. $3.80, 533 sq.yd. 9 x 6 x 9 in. concrete $3.50, total $22,815. Noted Sept. 25.

Pa., Phila. — Bureau Highways, Dept. Pub. Wks., to S. C. Ratzell, Limekiln Pike and Haines St., grading (Schedule A) Ardleigh, Crittenden, Nippon, Sprague and Wadsworth Sts., $9,423, to T. L. Flannagan, 531 East Girard St., Brill St., $2,764, to E. A. Mullen, Inc., 5512 Vine St., Buist, Edgewood, Theodore and 60th Sts., $4,337, to T. P. Lee, 5629 Cherry St., Grays St., $3,053; to Union Paving Co., 30th and Locust Sts., asphalt paving (Schedule B) Beaumont St. $4,022, Belmar St. $3,290, Wilton St. $3,797, 64th St. $11,483; asphalt repaving (Schedule D) Lawrence St. $3,528, 18th St. $5,146; to Eastern Paving Co., 401 Colonial Trust Bldg., asphalt paving Granite St. $3,525, Phil-Ellena St. $13,490, to Barber Asphalt Co., 239 North 30th St., Knox St. $4,238, Wister St. $23,207, Wyncote St. $8,289, to Richards-Kelly, 349 North 57th St., country road improving (Schedule C) Flamingo and Oriole Rds., $7,526, to Mazzola & Marano, 739 South 7th St., redressed granite block repaving (Schedule E) St. James St., $2,372.

Miss., Bay St. Louis — Hancock Co., grading, gravel surfacing, etc., 18.146 mi. Federal Aid Project 159-B and C, 18 ft., to Minder & Cain, Mankato, $219,069. Noted Sept. 25.

Miss., Hattiesburg — Forrest Co., grading, gravel surfacing, etc., incl. 150 ft. steel span bridge, to A. L. Dickson, Jackson, Miss. Noted Sept. 25.

Miss., Mayersville—Issaquena Co., grading, surfacing, etc., 6.603 mi. Federal Aid Project 50-A, 18 ft., to Hart & Faulkner, Satartia, $65,836. Noted Sept. 25.

Miss., Rolling Fork—Sharkey Co., grading, gravel surfacing, etc., 9.848 mi. Federal Aid Project 50-B, Sect. 1, to H. E. McAdams, Rayville, La., $60,493. Noted Sept. 25.

La., Leesville—Vernon Parish, improving 8 mi. Rd. 2, of Rd. Dist. 3, 55,000 cu.yd. grading, 62,339 cu.yd. gravel, 0.5 mi. haul, etc., to O. B. Sayers, Fullerton, $62,792.

Tenn., Carthage—Rock asphalt surfacing various streets, to E. T. Lewis & Co., Nashville, approximately $25,000. Noted Sept. 25.

Tenn., Lebanon — Concrete surfacing various streets, to R. L. Proctor & Co., Ind. Bldg., Nashville. Engrs. est. $25,000. Noted July 24.

O., Cleveland—Asphalt paving 12,400 sq. yd. East 55th St. from Hydraulic Ave. to tracks New York, Chicago & St. Louis R.R., to Bentley Bros., 3030 Euclid Ave., $64,847; East 121st St., to A. M. Pejsa Paving Co., 3161 Derbyshire Rd., Cleveland Heights, $4,512; East 55th St. from Bway. to McBridge Ave., to Enterprise Paving & Constr. Co., 8436 Bway., $41,740, Horner Ave., to Cleveland Trinidad Paving Co., The Arcade, $16,375. Noted Oct. 23.

O., Cleveland—Grading, curbing, guttering and brick paving, 1,120 sq.yd. Woodward Ct., Rieley Bros., The Arcade, $7,528; 6,000 sq.yd. East 142nd St., to A. M. Pejsa Paving Co., 3161 Derbyshire Rd., Cleveland Heights, $31,266, 3,500 sq.yd. West 45th St., to W. E. McHugh, 316 The Arcade, $35,753; grading, curbing, guttering and asphalt paving 12,140 sq.yd. West 126th and 129th Sts., to Highway Constr. Co., 903 Lorain Co. Bank Bldg., Elyria, $28,665 and $35,694 respectively. Noted Sept. 25.

O., Cleveland — Bd. Comrs. Cuyahoga Co., paving Wooster Pike Rd. 4, to Freshwater Constr. Co., Natl. Bldg., $87,624.

O., Cleveland—Cuyahoga Co., grading, curbing, guttering and 8,670 sq.yd. brick paving Courtland Blvd., Sherbrooke, Chesterton and Shelburne Rds., to Highway Constr. Co., 903 Lorain Co. Bank Bldg., Elyria, $49,900. Engrs est. $61,000. Noted Oct. 23.

O., Cleveland—Grading, curbing, guttering and asphalt paving Holborn Ave., to Baldwin Bros., 4500 Euclid Ave., $31,752, and Bessemer Ave., to H. G. Herring, 316 The Arcade, $23,722. Noted Oct. 23.

O., Columbus—W. H. Duffy, dir. Pub. Serv., grading, laying necessary sewers and water connections and asphalt paving, 3,065 ft. Burgess Ave., 26 ft., to Franklin Asphalt Paving Co., 209 South High St., $38,770; 533 ft., Eden Ave., 24 ft., to A. W. Burns & Co., 316 South High St., $6,878. Noted Oct. 16.

SUBWAY—BROOKLYN, N. Y.

Following are lowest three bids opened by Transportation Bd., 49 Lafayette St., New York City, Oct. 17, for constructing Route No. 8, Sect. No. 6-C, of rapid transit railroad. (A) Oakdale Constr. Co., 93 Amity St.; (B) F. L. Cranford, Inc., 149 Remsen St.; (C) Underpinning & Foundation Co., 342 Madison Ave., New York City. The unit bids were as follows:

	A	B	C
179,500 cu.yd. earth excavation above el. 100	$7.50	$8.40	$10.00
21,850 cu.yd. earth excavation below el. 100	7.50	8.40	10.00
8,000 cu.yd. earth excavation above and below el. 100 for sewers	10.00	8.40	10.00
28,050 cu.yd. concrete masonry	18.00	18.00	20.00
86,400 sq.ft. rubbing surface of concrete	.10	.15	.10
5,775 cu.yd. protective concrete	18.00	19.50	20.00
20 cu.yd. rubble stone masonry	11.00	12.00	15.00
20 cu.yd. dry rubble masonry	11.00	10.00	10.00
100 cu.yd. brick masonry	33.00	35.00	50.00
15 cu.yd. hollow tile masonry	33.00	35.00	50.00
100 bbl. grout	5.00	8.00	8.00
25 cu.yd. broken stone	6.00	4.00	5.00
20,400 sq.yd. waterproofing 1-ply	.60	.90	.60
25,800 sq.yd. waterproofing 3-ply	2.50	1.75	1.70
100 sq.yd. waterproofing 4-ply	3.50	3.00	2.30
100 sq.yd. waterproofing 6-ply	6.00	4.00	3.30
100 sq.yd. waterproofing dry-ply	.60	.90	.60
730 cu.yd. brick in asphalt mastic—1-layer	48.00	55.00	45.00
1,845 cu.yd. brick in asphalt mastic—2-layer	42.00	50.00	43.00
2,000 lin.ft. 3-in. C. I. pipe class "A"	.80	1.00	1.40
200 lin.ft. 4-in. C. I. pipe class "A"	1.00	2.00	1.70
600 lin.ft. 6-in. C. I. pipe class "A"	1.50	2.00	2.50
4,500 lin.ft. 8-in. C. I. pipe class "A"	2.10	2.00	3.30
100 lin.ft. 10-in. C. I. pipe class "A"	2.75	2.50	4.00
150 lin.ft. 3-in. W. S. pipe	.65	1.50	1.40
200 lin.ft. 4-in. W. S. pipe	1.00	2.00	1.70
60 lin.ft. 8-in. W. S. pipe	2.80	4.00	3.30
50 lin.ft. 10-in. W. S. pipe	3.60	5.00	4.00
142,720 duct.ft. tunnel ducts	.25	.26	.25
1,000 duct.ft. 3-in. fibre conduits	.25	.40	.40
1,550 tons steel—riveted	116.00	112.00	100.00
6 tons architectural steel and iron	240.00	400.00	300.00
940 sq.ft. sliding steel angle and plate doors	5.50	5.00	7.00
4 counterbalanced emergency exit covers	275.00	250.00	200.00
1,750 tons steel beams and shapes	116.00	112.00	100.00
760 tons steel rods and bars	85.00	90.00	110.00
36 tons miscellaneous iron castings	240.00	250.00	220.00
2,300 lb. special wire forms	.20	.20	.20
6,410 lin.ft. hand rail	.55	.50	.40
6,000 sq.ft. gratings	3.00	3.00	3.00
960 sq.ft. vault lights	4.25	3.50	2.50
4,700 sq.yd. sidewalk restoration	2.75	2.50	2.70
3,000 sq.yd. street repavement—asphalt	4.40	5.00	4.00
13,600 sq.yd. street repavement—granite block	3.60	3.50	3.00
725 lin.ft. 6-in. bluestone curb	2.00	2.50	2.50
450 sq.yd. granite block in freight yard	2.50	5.00	3.00
245 sq.yd. upper 3-in. concrete walls	1.60	3.00	5.40
10,000 lin.ft. ¾-in. electric conduit	.40	.60	.15
110 lin.ft. 1¼-in. electric conduit	.55	.75	.35
10,000 lin.ft. 1-in. electric conduit	.45	.60	.30
880 4x4x3-in. C. I. outlet boxes	1.40	2.50	1.25
20 6x6x4-in. C. I. pull boxes	7.00	10.00	6.00
125 lin.ft. 6-in. E. H. C. I. pipe	1.50	3.00	2.50
140 lin.ft. 3-in. E. H. C. I. pipe	.90	2.00	1.70
60 lin.ft. 4-in. E. H. C. I. pipe	1.10	2.50	2.20
100 lin.ft. 8 in. E. H. C. I. pipe	2.20	4.00	3.30
700 lin.ft. 12-in. vitrified pipe sewer	4.00	5.00	5.50
650 lin.ft. 15-in. vitrified pipe sewer	6.00	6.00	12.40
1,800 lin.ft. 18-in. vitrified pipe sewer	6.20	6.50	6.90
350 lin.ft. 24-in. vitrified pipe sewer	10.00	10.00	27.00
120 tons C. I. pipe for sewers (straight)	110.00	150.00	90.00
50 tons C. I. pipe for sewers (special)	250.00	250.00	180.00
400 lin.ft. 3 ft. 6 in. x 2 ft. 4 in. flat top sewer	12.50	20.00	22.00
500 lin.ft. 4 ft.x 2 ft. 6 in. flat top sewer	18.00	25.00	23.50
100 lin.ft. 4 ft. 6 in. x 2 ft. 10 in. flat top sewer	19.00	25.00	27.50
700 lin.ft. 4 ft. 3 in. x 3 ft. 10 in. flat top sewer	25.00	25.00	61.00
700 lin.ft. 3 ft. 9 in. x 2 ft. 4 in. flat top sewer	13.00	20.00	30.50
260 lin.ft. 4 ft. 3 in. x 2 ft. 8 in. flat top sewer	19.00	25.00	27.50
500 lin.ft. 3 ft. 6 in. x 3 ft. 2 in. flat top sewer	12.00	25.00	26.40
1,100 lin.ft. 3 ft. 9 in. x 3 ft. 5 in. flat top sewer	14.50	25.00	29.00
1,200 lin.ft. 4 ft. x 3 ft. 8 in. flat top sewer	22.00	25.00	61.00
450 lin.ft. 4 ft. 6 in. x 4 ft. 1 in. flat top sewer	17.00	30.00	33.40
50 lin.ft. 6 ft. x 10 ft. twin sewer	77.00	400.00	200.00
7,400 lin.ft. supporting overhead trolley	4.00	5.00	14.00
600 lin.ft. supporting track in freight yard	22.00	50.00	4.00
350 lin.ft. laying 6-in. water pipe	.65	2.00	.60
2,100 lin.ft. laying 8-in. water pipe	.70	2.50	.80
120 lin.ft. laying 12-in. water pipe	1.10	3.00	1.20
100 lin.ft. laying 20-in. water pipe	1.50	10.00	2.00
100 lin.ft. laying 48-in. water pipe	6.00	15.00	5.00
10 service connections for water	35.00	30.00	50.00
110 lin.ft. laying 4-in. gas pipe	.35	3.00	.40
2,450 lin.ft. laying 6-in. gas pipe	.65	3.00	.60
110 lin.ft. laying 8-in. gas pipe	.75	4.00	.80
100 lin.ft. laying 10-in. gas pipe	.90	5.00	1.00
150 lin.ft. laying 12-in. gas pipe	1.10	5.00	1.20
20 lin.ft. 10-in. bypass pipe on or below st. surf	15.00	20.00	5.00
500 lin.ft. 12-in. bypass pipe on or below st. surf	15.00	15.00	6.00
9,000 lin.ft. 4-in. bypass pipe on or below st. surf	5.00	4.00	4.50
100 lin.ft. 12-in. overhead bypass	15.00	15.00	10.00
150 lin.ft. 10-in. overhead bypass	15.00	12.00	9.00
350 lin.ft. cable suspension for pipe 16-in. or under	8.00	8.00	10.00
10 service connections for gas pipe	35.00	50.00	60.00
30 tons new C. I. pipe—straight	90.00	100.00	110.00
15 tons new C. I. pipe—special	190.00	200.00	220.00
11,000 duct.ft. electric ducts and conduits	.35	.40	.40
10 electric service connections	35.00	60.00	50.00
1,000 duct.ft. 3-in. wood ducts	.60	.40	.50
1,000 duct.ft. 4-in. wood ducts	.60	.40	.50
100 duct.ft. 3-in. fibre ducts	.60	.40	.50
100 duct.ft. 3½-in. fibre ducts	.60	.40	.50
400 duct.ft. 4-in. fibre ducts	.60	.40	.50
Extended totals	$3,595,038	$3,949,575	$4,067,946

The above table does not include bids on underpinning, though totals do include them.

Streets and Roads (Continued)

O., Garfield Heights (Cleveland P. O.)—Brick paving Edgepark, Garfield Parkway, Dorothy and Park Heights Aves., to Enterprise Paving & Constr. Co., 8436 Bway., Cleveland, $40,800. Noted Oct. 2.

Mich., Detroit—To Detroit Asphalt Paving Co., 909 Free Press Bldg., paving with 3½ in. sheet asphalt on 8 in. concrete, 2,140 sq.yd. Carrie Ave. $10,662, 6,240 sq.yd. Colonial Ave. $31,116, 2,115 sq.yd. Larkin Ave. $10,576, 2,640 sq.yd. Owen Ave. $14,538, 9,700 sq.yd. Pleasant Ave. $48,395, 7,140 sq.yd. Wykes Ave. $35,662, 14,000 sq.yd. Buckingham Ave. $66,000, 990 sq.yd. Charlevoix Ave. $4,508, 12,500 sq.yd. Esper Ave. $57,189, 1,030 sq.yd. Green Ave. $5,182, 4,250 sq.yd. Haverhill Rd. $20,112, 3,400 sq.yd. Indiana Ave. $16,603, 1,450 sq.yd. Lambert Ave. $7,233, 5,050 sq.yd. Tarnow Ave. $23,702; to Cleveland Trinidad Paving Co., 402 Hammond Bldg., 5,240 sq.yd. Richton Ave. $26,107, 2,770 sq.yd. Princeton Ave. $13,884; to M. R. Hanna Co., 1636 Dime Bank Bldg., 10,200 sq.yd. Elgin Ave. $38,875; to Cooke Asphalt Paving Co., 1260 Penobscot Bldg., 9,500 sq.yd. Conant Ave., Sect. 2 $47,832; to C. L. Lincoln, 8074 East Canfield Ave., 1,500 sq.yd. alley, $3,730, 2,100 sq.yd. Beechton Ave., 8 in. concrete base only $7,007, top to Dept. Pub. Wks., City Hall, $2,650; to Otis Cement Constr. Co., 806 Hammond Bldg., 6,300 sq.yd. 2 alleys $16,018; to McKenna Truck Co., 3559 Holcomb Ave., 12,750 sq.yd. 5 alleys $10,075; to Wolverine Constr. Co., 2152 McClellan Ave., 1,010 sq.yd. 1 alley $2,440.

Illinois—State Dept. Pub. Wks. & Buildings, Div. Hys., Springfield, concrete surfacing 1.86 mi. Old Salem State Park Rd., 18 ft., Menard Co., to McElwee & Rogy, Peoria, $44,255; 0.32 mi. Route 19, Sect. 87 X, 21 ft., Cook Co., to Bjorndahl Constr. Co., Arlington Heights, $13,128; 0.54 mi. Route 12, Sect. 22 and 1.31 mi. Route 12, Sect. 23, both 18 ft., Clinton Co., to Wabash Constr. Co., Vincennes, Ind., $41,581; 1.15 mi. Route 24, Sect. 10. 18 ft., Sangamon Co., to Alzina Constr. Co., Unity Bldg., Springfield, $28,946. Noted Oct. 16.

Ill., Belleville — St. Clair Co., grading, surfacing, etc., St. Libory-Marissa Rd., to Tritt Bros., Belleville, $35,922.

Ia., Bedford—Improving various streets, 26,500 sq.yd. vertical fibre brick, 9,600 cu.yd. excav., to J. McLaughlin & Sons, Mankato, $77,410. Engrs. est. $75,000. Noted Oct. 2.

Ia., Ft. Dodge—Improving Dists. 8, 9 and 10, 9,050 sq.yd. vibrolithic concrete to J. Horrabin Co., Ft. Dodge, at $2.03 per sq.yd.; 2,300 ft. 8 in. vitr. sewers in Dist. 6, to C. Kling, 1236 8th Ave., 500 ft. 8 in. vitr. clay sewers in Dists. 4 and 5, to H. H. Frankamp, Ft. Dodge. Engrs. est. $25,000. Noted Oct. 9.

Ia., Marion—Grading and concrete paving 3,000 sq.yd. 1st and West 7th Sts., to Ford Paving Co., 208 2nd Ave., Cedar Rapids. Engrs. est. $25,000.

Minnesota — State Hy. Dept., St. Paul, **(S. P. means State Project, F. A. P. means Federal Aid Project)**, grading 4.5 mi. Evansville-County line Rd., S. P. 3-41-B, F. A. P. 347, 83,000 cu.yd. excav., to Thomas & Finney, Foley, $20,993; culverts on same, to Morris Constr. Co., Morris, $3,610; 9 mi. Elbow Lake Rd., S. P. 3-42-A, F. A. P. 347, 100,000 cu.yd. excav., to R. C. Schoen, Ortonville, $28,779; 20.4 mi. Benson-Karkhoven Rd., S. P. 10-46, F. A. P. 313, 32,000 cu.yd. excav., to S. J. Reader, Kasota Bldg., Minneapolis, $41,907; 13.5 mi. Brownton-Glencoe Rd., S. P. 12-26-1, F. A. P. 350-A, 156,000 cu.yd. excav., to Weaver & Richardson, Anoka, $45,233; bridges and culverts on same, to Pederson Bros., Montevideo, $11,846; 8.7 mi. Glencoe-Norwood Rd., S. P. 12-26-2, F. A. P. 350-B, 950,000 cu.yd. excav., to Gould & Huntington, Glencoe, $15,775; and Thurnham & Thurnham, Long Lake, $15,135; Bridge 4345, 80 ft., to Independent Bridge Co., 1101 Metropolitan Life Bldg., Minneapolis, $11,390; 10.3 mi. Hutchinson Rd., S. P. 22-26-1, F. A. P. 338, 111,000 cu.yd. excav., to Weaver & Richardson, Anoka, $31,827; 3.7 mi. Zumbo Falls Rd., S. P. 59-21-1, F. A. P. 357, 110,000 cu.yd. excav., to Baumgartner & McMenemy, 319 Qentral Bank Bldg., St. Paul, $44,774; 7.3 mi. Rochester Byron Rd., S. P. 7-33-B, F. A. P. 290, 120,000 cu.yd. excav., to Nelson, Fulton & Nelson, Temple Court, Minneapolis, $37,573, 2 bridges on same, E. G. Brigham, Arcadia, Wis., $8,689. Noted Sept. 25.

Kan., Girard—Crawford Co., improving 2.982 mi. Project 8, excav., guard rail and chats surfacing, to Carter, Ensch & O'Brien, St. Paul, $22,803, concrete, reinforcing and concrete culverts, to DuBois & Co., Pittsburg, $8,282.

Kan., Topeka—To H. L. Ritchie Paving Co., Bway. Hotel Bldg., asphaltic concrete surfacing 11,370 sq.yd. Spruce, Wellington, Martinson and Topeka Sts. at $2.54 per sq. yd., sheet asphalt surfacing 8,897 sq.yd. Hydraulic, Skinner and Wichita Sts., $2.76, 6,464 cu.yd. excav. at $0.90; to Globe Constr. Co., 1069 North Water St., 5,232 sq.yd. concrete paving Lavillyn, 1st, Hiram, Martha, Central, Madison, Pratt and Sycamore Sts., 1.79, 4,964 cu.yd. excav. $0.87; to G. W. Branch, 244 South Erie St., Wichita, curbing, etc., on Spruce St., 1,080 ft. combined curb and gutter $0.84, 151 ft. curb $0.40, and 85 ft. gutter $0.50, also on Pratt St., 1,732 ft. combined curb and gutter $0.87, 61 ft. curb $0.45, and 55 ft. gutter $0.50, to Lefener Bros., 545 Pennsylvania St., on Wellington, 1st and Sycamore Sts., 110 ft. combined curb and gutter at $0.84, 4,183 ft. combined curb and gutter $0.79, 135 ft. curb $0.40, and 156 ft. gutter $0.50, to F. C. Kensler, 1558 South Water St., on Martinson and Topeka Sts., 2,796 ft. combnied curb and gutter $0.84, 75 ft. curb $0.40, and 75 ft. gutter $0.50, to W. D. Hurst, 326 Madison St., Central St. and Hydraulic St., from 1st to 2nd Sts., 2,341 ft. combined curb and gutter $0.84, 50 ft. curb $0.40, and 50 ft. gutter $0.50, to J. A. Jones, Wichita, on Madison St. and Hydraulic St. from 2nd to 3rd Sts., 3,637 ft. combined curb and gutter $0.84, 50 ft. curb $0.40 and 50 ft. gutter $0.50, to F. B. Whaley, Wichita, on Skinner, Wichita and Lewellyn Sts., 4,188 ft. combined curb and gutter $0.84, 155 ft. curb $0.40, and 235 ft. gutter $0.50, to M. H. Long, 1124 South Wichita St., on 1st, Hiram and Martha Sts., 8,481 ft. combined curb and gutter $0.80, 630 ft. curb $0.40, 732 ft. gutter $0.50. Noted Oct. 9.

Neb., North Platte—Clerk Lincoln Co., grading and clay surfacing 15.5 mi. North Platte-Maywood Rd., 18 ft., Federal Aid Project 221-B, Lincoln Co., to Peterson, Shirley & Gunther, 306 South 24th St., Omaha, 37,540, concrete work and culverts, to D. Quinton, Kearney, $4,716. Noted Oct. 2.

N. D., Napoleon — Logan Co., grading, culverts, etc., on 8.193 mi. Federal Aid Project 207, to Oes & Hauke, Brinsmade, $29,044. Noted Sept. 25.

Missouri—State Hy. Dept., Jefferson City, to Pittsburgh-Des Moines Steel Co., Tuttle and Southwest 10th Sts., Des Moines, Ia., grading 1.134 mi. St. Joseph-Hannibal Rd., Buchanan Co., $27,309, to Kelly & Underwood, Granby, 0.303 mi. Greenfield-Pennsboro Rd., Dade Co., $4,938; to L. W. Spangler, Mexico, 0.221 mi. Kansas City-St. Joseph Rd., Clay Co., $2,881, to W. F. Plummer, Springfield, 1.75 mi. Seligman South Rd., Barry Co., $2,034, to Farrell & Dubrouilet, Linn, 0.644 mi. Moberly-Huntsville Rd., Randolph Co., $11,061; to Fogleman & Thompson, Iberia, gravel surfacing 1.175 mi. road from Versailles west, Morgan Co., $13,063, to M. E. Gillioz, Monett, 15.597 mi. Appleton-Jackson Rd., Cape Girardeau Co., $72,321, to T. O. Kimball, Clear Lake, Ia., 7.055 mi. Jefferson City-Columbia Rd., Callaway Co., $5,481; to Jones & Harlan, West Plains, gravel surfacing 7.406 mi. Cabool-Houston Rd., Texas Co., $19,439; to A. T. Cook, Ottawa, Kan., grading 0.502 mi. Jefferson City-Columbia Rd., $4,683 and gravel surfacing 0.823 mi. Jefferson City-Fulton Rd., $12,644, both Callaway Co. Noted Oct. 2.

Mo., Independence — Jackson Co. will construct bituminous macadam road, by day labor. Former bids rejected. L. E. Koehler, co. engrs.

Mo., St. Joseph—Grading, curbing and wire cut brick surfacing 4th St., and grading alleys to Land Constr. Co., Ballinger Bldg. $25,982, concrete sidewalks on Illinois Ave., to I. C. Dennis, 202 Michigan Ave., $2,458.

Mo., Springfield—To Hoges Weeks Constr. Co., Holland Bldg., brick paving 8,688 sq.yd. Oliver St. $3.65 per sq.yd., 2,405 ft. curb on same $0.77, paving 3,222 sq.yd. Weaver St. $2.04, to R. McSweeney, 1943 North Douglas St., concrete paving, 1,300 sq.yd. Madison St. $1.80 per sq.yd.; to C. Bigbee, 1,425 ft. curb on Sherman Ave. $0.52, 720 ft. sidewalk on Poplar St. $0.72; to H. Proserpi, 1220 North Campbell St., 1255 ft. sidewalks on Travis St. $0.75. Noted Oct. 9.

Tex., Brenham—Washington Co., completing previous contract incl. 10 acres clearing, grubbing and grading 18.21 mi. State Highway 36, Federal Aid Project 358, 26 ft., and grading 19.15 mi. Grenham-Washington Rd., 26 ft., to Womack Constr. Co., Sherman, $37,987 and $89,516 respectively. Engrs. ests. $35,000 and $85,000 respectively. Noted Oct. 23.

Tex., San Antonio — Rein.-con. paving and curbing McKinley Ave., South Hackberry and South Cherry Sts., to McKenzie Constr. Co., 605 Bedell Bldg., $57,000.

Oklahoma—State Hy. Dept., Oklahoma City, 2.5 in. penetration macadam surfacing 7 mi. Longegrove-Ardmore Rd., Federal Aid Project 41, Carter Co., to J. E. Ward Co., Linz Bldg., Dallas, Tex., $42,171; 1 in. bituminous macadam surfacing 12 mi. Red River-Durant Rd., Federal Aid Project 42, Bryan Co., to Salina Road Surfacing Co., Muskogee, $14,490.

Oklahoma — State Hy. Dept., Oklahoma City, 2.5 in. penetration macadam surfacing 77,000 sq.yd. Ardmore-Lone Grove Rd., 18 ft., to J. E. Ward Co., Linz Bldg., Dallas, Tex., $42,171. Engrs. est. $50,000.

Okla., Cushing — Improving 7 blocks Moses and Cleveland Sts., 6,800 sq.yd. concrete, 4,200 lin.ft. concrete curbing, 2,400 cu.yd. earth and 50 cu.yd. rock excav., to Gallamore Constr. Co., Cushing, $27,864. Engrs. est. $30,000.

Okla., Muskogee—Gravel surfacing 11,200 sq.yd. Dist. 193, to Yahola Sand & Gravel Co., 708 Surety Bldg., $15,310; concrete surfacing 9,925 sq.yd. Dist. 194, to Gravelle & Hamblin, Muskogee, $35,765.

Okla., Tulsa—Tulsa Co., improving 2 mi. Broken Arrow-Linn Lane Rd., and ½ mi. Keystone-Redford Rd., to Highway Constr. Co., 1st Natl. Bldg., $47,025 and $15,000 respectively; 0.75 mi. Broken Arrow-Cemetery Rd., to Gallamore Constr. Co., Cushing, $24,639; 1½ mi. Wewika-Sheel Creek Rd., to R. Tanner & Co., 104 North Boulder St., $29,950; 1 mi. Bixby-Okmulgee Rd., to Burke-Gibbs Co., New Wright Bldg., $27,722; ½ mi. Glennpool Rd., to A. Burton Co., 544 South Victor St., $16,325.

Okla., Wetumka — Brick paving 24,000 sq.yd. various streets, to Park Moran Constr. Co., Oklahoma City, $114,794.

Calif., Burbank — For 6 in. concrete paving Victory Blvd., to W. P. Curren, 221-A, West Bway., Glendale, $64,905.

Calif., Compton—Improving East Bway., to Oswald Bros., 366 East 58th St., Los Angeles, 71,700 sq.ft. grading at $0.0175 per sq.ft., 71,700 sq.ft. 5 in. concrete paving $0.16, etc., total $25,390.

Calif., Eureka — Improving Union Ave., 269,503 sq.ft. grading, 177,153 ft. 1½ in. Warrenite on 2½ in. asphaltic concrete, to Mercer-Fraser Co., Eureka, $55,410. Noted Oct. 23.

Calif., Los Angeles—Improving Melrose Ave. between Western Ave. and Larchmont Blvd., 166,330 sq.ft. Warrenite bituminous paving, 81,899 sq.ft. oil and roll, 15,778 sq. ft. sidewalks, to Warren Constr. Co., 2221 East 25th St., approximately $94,500.

Calif., Oakland — Paving Shattuck Ave. from Telegraph Ave., northerly, 2 in. Warrenite surface on 6 in. concrete, to Heafey-Moore-McNair, 2030 High St., approximately $96,000.

Calif., San Diego—Common Council, improving Ohio St., 128,803 sq.ft. 1½ in. Warrenite on 4 in. concrete, etc., to G. R. Daley, 4430 Boundry St., $31,470. Noted Oct. 16.

Calif., Stockton—City Council, improving streets in Merryvale Tract, to W. Moreing, 232 West Vine St., $33,692. Noted Oct. 23.

Ont., North Bay — Curbing, guttering, bituminous paving, etc., 3 mi. Worthington and Ferguson Sts., to Warren Bituminous Paving Co., 54 University Ave., Toronto. Engrs. est. $200,000.

Ont., Walkerville—Concrete paving Vimy and Lorraine Sts., to Premier Constr. Co., Holland Blk. Engrs. est. $30,000.

Quebec — Dept. Provincial Highways, Quebec, graveling 2 mi. highway from Sacre Cour de Jesus to Crabstree Mills, Joliette Co., to A. Brouillette, St. Esprit, $25,329, engrs. est. $30,000. Also road from Grenville and Augmentation on Montreal-Ottawa Rd. via Hull, to H. Marchessealt & Co., 2507 Lafontaine St., Montreal, $96,852, engrs. est. $100,000.

Buildings—Industrial

PROPOSED WORK

Mass., Boston—Power House—See "Buildings Commercial."

Mass., Cambridge (Boston, P. O.) — Repair and Service Garage — Owner c/o S. F. Fitzgerald, engr., 418 Bway., having preliminary plans prepared, 1 story, 150 x 250 ft., repair and service garage, Bway. $150,000.

Mass., Cambridge (Boston P. O.) — Garage and Repair Shop—Mass. Wharf Coal Co., 30 Kilby St., Boston, rejected bids 1 story, 80 x 165 ft., rein.-con., brick and steel, Kendall Sq., here. $50,000. Project postponed. Noted Oct. 23.

Mass., Fall River — Repair and Service Garage—L. Harris, Mohican Garage, Central St., having plans prepared by R. Deardon, 38 Border St., 1 story, 120 x 130 ft. repair and service garage, Central St. $50,000.

Mass., Winchester — Power House and Laundry—Winchester Hospital, Highland Ave., having sketches made by K. Taylor & Co., 142 Berkley St., Boston, 1 story power house and laundry, Highland Ave. $40,000.

Buildings—Industrial (Continued)

Mass., Woburn — Plant — Woburn Degreasing Co., Bedford St., plans rebuilding plant. $100,000. Engineer and architect not selected.

R. I., Providence—Factory—J. Pollock, c/o A. J. Frappier, archt., 316 Strand Bldg., having plans prepared 2 story and basement, 62 x 67 ft., Chestnut and Bassett St. $40,000.

Conn., Manchester — Laundry — Manchester Memorial Hospital, Haynes St., having plans prepared by Lockwood & Greene, archts. and engrs., 24 Federal St., Boston, Mass., modern laundry to conform to main building design, brick, plain foundation, Haynes St. $40,000.

Conn., New Haven — Factory — Nail Welding Co., having plans prepared 1 story and basement, 45 x 100 ft., brick, Dixwell Ave. $40,000. Westcott & Mapes, Orange, engrs.

Conn., Winsted — Factory — Strand & Sweet Mfg. Co., plan 2 story and basement, 40 x 60 ft., and 40 x 40 ft., brick and steel. $40,000.

N. J., Trenton — Factory — Fisk Flap Tube Co., 15 East State St., plans 1 story, 50 x 150 ft. factory. $50,000. Engineer and architect not selected.

N. J., Hutchinson Mills (Trenton, P. O.) —W. and J. Sloane, 5th Ave. and 47th St., New York City, plan plant, here. Engineer and Architect not selected.

Md., Baltimore—Factory—Vindex Mfg. Co., McHenry and Pulaski Sts., having plans prepared by Atkinson & Ward, c/o owner, 6 story and basement, 70 x 150 ft., rein.-con. and brick, plain foundation, McHenry and Pulaski Sts. $125,000.

O., Cleveland—Factory—Brookins Co., c/o G. F. Hammond, archt., Zanesville, had plans prepared 2 story and basement, brick and steel, East 40th St. and Carnegie Ave., here. $40,000.

O., Cleveland—Factory—Fuller Cleaning Co., W. M. Theobold, pres., 7608 Carnegie Ave., had plans prepared by Osborn Eng. Co., 7016 Euclid Ave., 4 story and basement, 45 x 100 ft., brick and rein.-con., 7606 Carnegie Ave. $75,000.

Ill., Garden Prairie—Boiler House—Gifford Milk Products Co., 413 North State St., Chicago, having preliminary plans prepared 1 story, rein.-con. and brick, plain foundation. To exceed $40,000. Cahill & Douglas, 217 West Water St., Milwaukee, engrs.

Kan., Wichita — Plant — Derby Oil Co., Orpheum Bldg., having plans prepared 1 story and basement, 100 x 100 ft., brick lubricating building. $50,000. Private plans.

Mo., St. Louis — Plant — Owner c/o Dougherty-Sheehan Real Estate Co., 721 Chestnut St., having plans prepared by W. Sheehan, 721 Chestnut St., 6 story and basement, 44 x 109 ft., brick and rein.-con., Olive St.

Mo., Webster Groves — Plant—Missouri Pub. Serv. Comn., Jefferson City, granted St. Louis Co. Gas Co. permission to issue $500,000 bonds for plant extensions and new mains.

Tex., Canadian—Light Plant—Election Oct. 27th, $65,000 bonds electric light plant. A. Knollenberg, mayor.

Tex., Houston — Plant — South End Ice Co., c/o T. B. Hubbart Co. Bankers Mortgage Bldg., soon takes bids plant, West Webster St. $65,000. Private plans.

Nev., Fallon — Plant — Voted $50,000 bonds, for lighting plant.

Calif., Berkeley — Laundry — Manhattan Laundry Co., 1812 Dwight Way, having plans prepared 1 story and mezzanine, 115 x 143 ft., brick and timber, Grove St. R. V. Woods, 505 17th St., Oakland, engr.

Calif., Oakland — Factory — Quality Enameling & Porcelaining Co., 1634 Howard St., San Francisco, L. P. Nutcher, pres., plans 1 story, 150 x 180 ft., brick and steel. Engineer and architect's names withheld.

Calif., San Francisco — Shop — Pacific Elevator Co., 1129 Howard St., having plans prepared by Baumann and Jose, 251 Kearney St. 1 or 2 story, brick or concrete, Rausch St. $40,000.

Ont., Cochrane—Plant—Abitibi Pulp & Paper Co., Iroquois Falls, had surveys made constructing hydro-electric power plant, 50,000 hp. 50 ft. head, concrete dam, 14 mi. railway spur, turbines, generators, etc., at Long Saulte Rapids, 12 mi. north of here. $4,000,000. Private plans.

Que., Three Rivers—Plant—Mayahamack Paper & Pulp Co. Ltd., Three Rivers, plans 2 story, 250 x 400 ft. plant, on Potheris Island. $2,000,000. Pringle & Sons. 20 St. Nichols Ave., Montreal, engrs.

BIDS DESIRED

Mass., Cambridge (Boston P. O.)—Storage—H. F. Stimpson, 128 Sydney St., taking bids 2 story and basement, 60 x 220 ft., brick Albany St. $150,000. Monks & Johnson, 99 Chauncy St., Boston, archts. Noted Sept. 4.

Mass., Holyoke—Factory—B. F. Perkins & Son, c/o Lockwood, Greene & Co., 24 Federal St., Boston, taking bids 4 story and basement, 76 x 154 ft., rein.-con. and brick, here. To exceed $40,000.

Mass., Needham—Dairy—Walker-Gordon Laboratory, 1106 Boylston St., Boston, 2 story and basement, 40 x 62 ft., brick, to J. W. Duff, Inc., 146 Summer St., Boston, $42,000.

Mass., Springfield—Engine House—Boston & Maine R.R., North Sta., Boston engine house addition, here, to E. P. Carlson Co., 264 Main St. Archts. est. to exceed $40,000.

Pa., Phila. — Mill, etc. — Lehigh Hosiery Mills, Inc., D and Ontario Sts., 4 story and basement, 90 x 200 ft., 2 story and basement, 40 x 60 ft., dye house, and 1 story, 35 x 190 ft. boiler house, to Turner Constr. Co., 1713 Sansom St.

Md., Baltimore—Factory—Parker Metal Decorating Co., E. A. Parker, pres., Howard and Ostend Sts., taking bids 1 story and basement, 42 x 135 ft., brick and plain foundation, Howard and Ostend Sts. $60,000. C. N. and N. Friz, Lexington Bldg., archt.

Wis., Green Bay—Factory—Oppenhamer & Obel, archts., Bellin Bldg., taking bids 2 story and basement, 60 x 80 ft., brick and concrete addition, plain foundation, East Main St., for Reimer Bros., 1372 Main St. $40,000.

Minn., Duluth—Factory—Nov. 1, by F. Hoch, mgr. Acme Match Corp., Lyceum Bldg., 2 story, 90 x 150 ft., rein.-con., brick and steel, 40th Ave. W. and Traverse St. $75,000. Holstead & Sullivan, 407 Palladio Bldg., archts.

CONTRACTS AWARDED

Mass., Boston — Printing — Rand Avery Supply Co., 117 Franklin St., 2 story and basement, 100 x 200 ft., rein.-con., brick and stone, Commonwealth Ave. near Braves Field, to Whidden-Beekman Co., 100 Boylston St. Archts. est. $150,000 or more. Noted Oct. 2.

Mass., Boston—Factory—Albany Milling Co., 81 Bristol St., 4 story and basement, 64 x 175 ft., brick and steel, plain foundation, Bristol St., to J. W. Braunels, 76 Weld Hill St., Jamaica Plains. Archts. est. $40,000.

Mass., Forest Hill (Boston P. O.)—Boiler House and Heating Plant—Boston Elevated Ry. Co., 31 St. James Ave., Boston, 1 story, 90 x 200 ft., rein.-con. and steel, Washington St., here, to J. F. Griffin Co., 15 Exchange St., Boston. Engrs. est. $50,000. Noted Oct. 23.

Mass., Lynn — Plant — Lydia Pinkham Medicine Co., Western Ave., 4 story and basement, 57 x 75 ft., rein.-con. and brick addition, to Pultz, Inc., 173 Milk St., Boston. Archts. est. $80,000.

Mass., Lynn—Factory—Thompson Electric Welding Co., 161 Pleasant St., 1 story addition, Pleasant St., to Fuller Constr. Co., 31 Milk St., Boston. Archts. est. $40,000. Noted Aug. 28.

Mass., Watertown—Laundry—Winchester Laundry, Inc., Winchester, 4 story and basement, 65 x 65 ft., brick and terra cotta, plain foundation, Williams and Galen Sts., to J. J. Prindiville, Prindiville Bldg., Framingham. Archts. est. $150,000.

Del., Newark—Plant—Continental Fibre Co., 2 story, 139 x 280 ft. plant, to Austin Co., 1015 Chestnut St., Phila.

Miss., Morton—Mill, etc.—Adam-Banks Lumber Co., 120 x 130 ft. planning mill, to Thrall & Shea, Lake Charles, La.; blow piping, to Natl. Blow Pipe Co., 738 Dryades St., New Orleans, La. Owner building dressed sheds by day labor.

O., Cleveland — Factory — The Folbert Auto Specialty Co., 7920 Lake Ave., 2 story and basement, 60 x 202 ft., brick and steel, 1311 West 80th St., to Austin Co., 16112 Euclid Ave. Archts. est. $50,000.

O., Cleveland — Factories — Harshaw, Fuller & Goodwin Co., 545 Hanna Bldg., 1 story, 51 x 164 ft., and 28 x 46 ft., brick and steel, 1000 Newburgh Ave., to Forest City Steel & Iron Co., 1509 West 110th St. Archts. est. $40,000. Noted Oct. 2.

Wis., Algoma—Factory—Algoma Panel Co. will build 2 story and basement, brick and timber addition, plain foundation, by day labor. $40,000. Private plans.

Wis., Green Bay — Mill — Fort Howard Paper Co., State St., 2 story and basement, 120 x 122 ft., brick and concrete addition, plain foundation to H. J. Selmer Co., McCartney Bank Bldg., Milwaukee. Archts. est. $70,000.

Wis., Marshfield—Factory—Oconomowoc Canning Co., c/o E. C. Theobole, mgr., 3 story, 80 x 128 ft., rein.-con. and brick, plain foundation, to Felhofer Bros. Co., Marshfield. Archts. est. $50,000. Noted Sept. 25.

Wis., Milwaukee — Factory — Crescent Investment Co., 1 story and basement, 52 x 114 ft., brick and timber, plain foundation, Clybourn St., to G. E. Kahn, 141 Wisconsin St. Archts. est. $40,000.

Wis., Racine—Factory—S. C. Johnson & Sons, 1012 16th St., 2 story, 82 x 90 ft., brick and concrete addition, plain foundation, to A. C. Kappel, 526 Wisconsin St. Archts. est. $50,000.

Wis., Wauwatosa — Factory—Consumers Supply Co., 1280 10th Ave., Milwaukee, 1 story, 149 x 173 ft., concrete State St., to Wozniak & Szymanski, 1055 3rd Ave., Milwaukee. Archts. est. $50,000.

Ia., Waterloo—Plant—Rath Packing Co., Sycamore and Elm Sts., general contract 6 story and basement, 50 x 130 ft., to H. A. Maine Co., Marsh-Place Bldg., $84,480.

Minn., Cokato — Factory — Northland Canning Co., C. Ilstrup, secy., general contract 2 story, 50 x 200 ft., rein.-con., to P. E. Nelson, Cokato, about $40,000. Noted Oct. 9.

Mo., St. Louis — Factory — Mississippi Glass Co., 4070 North Main St., will build 1 story, 60 x 342 ft., rein.-con., brick and steel, North 1st St., by day labor. $100,000. C. E. Esselstyne, 603 Hoffman Bldg., Detroit, Mich., archt.

Okla., Hanna—Plant—Haines Light & Power Co., Ft. Worth, Tex., will build electric light plant, here, by day labor. Also plans 10 mi. transmission line to serve towns of Vernon and Indianola. $45,000 bonds voted for project. Engineer not selected.

Calif., Sacramento — Plant — California Packing Plant Corp., 101 California St., San Francisco, 1 and 2 story, rein.-con., Band C Sts., to MacDonald & Kahn, 130 Montgomery St., San Francisco, approximately $300,000. Owner furnishes cement, fill, steel track work and steel sash. Noted Oct. 23.

Calif., San Bernardino—Shops—Santa Fe Ry. Co., Kerchkoff Bldg., Los Angeles, 165 x 175 ft. shop addition, and 90 x 510 ft. locomotive erecting shop addition, both rein.-con. and steel, to R. E. McKee, Box 116, San Diego.

Calif., San Francisco—Factory—Diamond Patent Show Case Co., 1625 Mission St., 1 story, brick, 8th and Howard Sts., to F. R. Siegrist Co., 604 Williams Bldg., $45,000. Noted Oct. 9.

Que., St. Narcisse—Power Plant, etc.—Shawinigan Water & Power Co. Ltd., Shawinigan Falls, will build power house, two 15,000 hp. turbines, concrete dam, etc., by day labor, here. $1,500,000. R. C. Lindsay, Shawinigan Falls engr.

Ont., Sarnia—Transformer Station—Ontario Hydro Power Comn., London, constructing transformer station, Vidal and St. Andrews Sts., to T. Grace, 317 Wellington St. Engrs. est. $50,000.

Buildings—Commercial

PROPOSED WORK

Me., Orono — School — University of Maine, c/o H. S. Boardman, dean, having plans prepared by Little & Russell, 45 Bloomfield St., Boston, Mass., school for study of mechanical engineering. $300,000.

Mass., Arlington (Boston, P. O.)—Church —First Baptist Church Society, W. A. Pierce, chn., Academy St., plans church on Massachusetts Ave. $150,000. Engineer and architect not selected.

Mass., Boston — Store and Office — B. Goldfine, 11 Beacon St., plans store and office building, Washington and Kneeland Sts. $150,000. Engineer and architect not selected.

Mass., Boston—Fire House—City, T. A. Glynn, fire comr., Bristol St., plans new headquarters, Tremont St., Bway and Shawmut Ave. Engineer and architect not selected.

Mass., Boston—Parish House—Emmanuel Episcopal Church, E. Worcester, pastor, 15 Newbury St., having sketches made by Allen & Collins, 75 Newbury St., 5 story and basement, brick, stone and limestone, Newbury St. $150,000.

Mass., Boston—Theatre, Store and Office —C. T. Young, c/o OMeara & Lynch, 636 Warren St., Roxbury, having plans prepared by Tuck & Co., 636 Warren St., Roxbury, 3 story and basement, 130 x 240 ft., brick, Warren and Dudley Sts., here. $250,000.

Mass., Dracut—School—C. H. Randall, supt. of Schools, plans school. $150,000. Engineer and architect not selected.

Mass., Haverhill — School — Municipal Council, City Hall, having plans prepared by Morse & Chase, 25 Washington Sq., 3 story, 60 x 300 ft., brick, concrete and stone, plain foundation, Ward 5. $450,000. Noted May 22.

Mass., Medford — School — Plans new school in Fulton Heights Dist., North Med-

Buildings—Commercial (Continued)

ford. $150,000. Engineer and architect not selected.

Mass., Maynard—High School—Supt. of Schools having preliminary plans prepared by E. E. McGirr, 6 Beacon St. Boston, Junior High School, 2 story and basement. $160,000.

Mass., Somerville—Mercantile—Kooligians Garage, Union Sq., plans 2 story and basement, 75 x 125 ft., brick, Union Sq. $150,000. Engineer and architect not selected.

Mass., South Boston (Boston, P. O.)—Garage—J. D. Marr, c/o E. N. Adams, archt., Everett St., Arlington, having plans prepared, 2 story, 100 x 200 ft., rein.-con., Old Colony Ave. and D Sts., archt., $175,000.

Mass., Taunton — School — Comn. Pub. Buildings, S. A. Bent, chn., plans 2 story school. $200,000. Engineer and architect not selected.

Mass., Waltham—School—School Comn. having revised plans prepared by Haven & Hopkins, 11 Beacon St., Boston, 2 story and basement, 36 x 136 ft., and 85 x 85 ft. brick, Lake View Dist. Former bids reected. Noted Oct. 9.

Mass., Westfield—High School—School Building Com., J. A. Kenyon, chn., Westfield, plans high school. $150,000 or more. Engineer and architect not selected.

Massachusetts — Church — Methodist Episcopal Church, c/o W. F. Anderson, bishop, Union Church, Berkley St., plans church near Boston and Brookline Line. Engineer and architect not selected.

Mass., West Roxbury (Boston, P. O.)—High School—Schoolhouse Dept., Boston, having plans prepared by Andrews, Jones, Biscoe & Whitcomb, 50 Congress St., Boston, 3 story and basement, 75 x 140 ft., brick addition, Elm St., here. $350,000.

R. I., Cranston — Schools, etc. — City Council, City Hall, plans new school, at Mechanticut Park, also additions to high school and school at Oaklawn. $150,000. Engineer and architect not selected.

R. I., Kingston—Washington Co. Agricultural Society 7, c/o I. Sherman, Wickford, plans replacing fair buildings destroyed by fire. $150,000.

R. I., Olneyville—School and Club—Providence Boys Club, 226 South Main St., Providence, had plans prepared by K. C. Richmond, 526 Grosvenor Bldg., Providence, brick, plain foundation, Atwood St., here. $150,000.

R. I., Providence—High School—School Dept., plans addition to Commercial High School Spring St. $300,000. Engineer and architect not selected.

R. I., Warren — School — School Dept., Town Hall, plans fireproof school. $150,000. Engineer and architect not selected.

Conn., Bridgeport—School—Bd. Educ., City Hall, plans trade school, $200,000. Engineer and architect not selected.

Conn., Storrs (R. Sta. Eagleville) — Church—Connecticut Federation Churches, L. H. Dorchester, pastor, 573 Farmington Ave., Hartford, having plans prepared by D. K. Perry, archt., 17 Court St., New Britain, stone church, here. $250,000. Noted Sept. 25.

Conn., Willimantic — School — Plans to appropriate $164,000 for school. F. P. Fenton, town clerk.

N. Y., New York — Apartment — R. T. Lyons, archt. and engr., 342 Madison Ave., preparing plans 16 story, 100 x 165 ft., brick, steel and stone, plain foundation, 76th St. and Bway. $2,000,000. Owners name withheld.

N. Y., New York — Garage — A. J. B. Realty Corp., 238 William St., A. Brisbane, pres., soon takes bids 4 story, rein.-con., brick and steel, plain foundation, 3 East 102nd St. $150,000. E. Roth, 119 West 40th St., archt. and engr.

N. Y., New York — Loft — Six Hundred Seventeen 5th Ave. Corp., F. Brown, pres., c/o Margon & Glaser, archts. and engrs., 2804 3rd Ave., having plans prepared 20 story, brick, steel and stone, plain foundation, 571 8th Ave. $2,000,000.

N. Y., New York—Nurses Home—Hunts Point Hospital Lafayette Ave., having sketches made by Bloch & Hesse, archts. and engrs., 18 West 41st St., brick, steel and stone, plain foundation, Lafayette Ave. and Faile St. $500,000.

N. Y., New York — Nurses Home — St. Vincents Hospital, 12th St. and 7th Ave., having plans prepared by I. E. Ditmars, 111 5th Ave., 13 story, brick, steel and stone, plain foundation, 7th Ave. and 12th St. $750,000.

N. Y., New York—Office and Institute—French Institute of U. S., 596 6th Ave., soon takes bids 10 story, 50 x 100 ft. brick, steel and stone, plain foundation, 20 East 60th St. $350,000. J. H. Freelander, 681 5th Ave., archt. and engr.

N. Y., Schenectady—Laboratory—General Electric Co., River Rd., had plans prepared 5 story, 80 x 255 ft. addition, and 1 story, 100 x 155 ft. wing, rein.-con. and brick, River Rd. $500,000. Private plans.

N. Y., Valley Stream—School—Bd. Educ. School Dist. 24, having plans prepared by Dennison & Hiron, archts. and engrs., 288 Lexington Ave., New York, brick, steel and stone, plain foundation, $150,000.

N. J., Newark—High School—Bd. Educ., City Hall, having plans prepared by Guilbert & Betelle, 2 Lombardy St., West Side High School, brick, steel and stone, plain foundation, South Orange Ave. and South 12th St. $850,000.

N. J., Rutherford — High School—Bd. Educ. soon receives new bids brick, steel and stone, plain foundation, Union Ave. $400,000. E. Sibley, Bluff Rd. and Edgewood Lane, Palisade, archt. Noted Sept. 25.

Pa., Harrisburg—Schools—Election Nov. 4, $1,750,000 bonds schools.

Md., Baltimore—Museum—Election Nov. 4, $1,000,000 bonds for art museum.

Tenn., Nashville — Hotel — Consolidaetd Eng. & Constr. Co., Calvert Bldg. and Foor Hotels Co., Baltimore, Md., plan 12 story, 170 x 175 ft., 8th and Church Sts. $3,500,000.

Tenn., Nashville — Office — Cumberland Impvt. Co. plans about Mar. 1st, 1925, 18 story, brick and steel, 3rd and Church Sts. $1,300,000.

O., Akron—School—Election Nov. 4th, $2,500,000 bonds purchasing sites, erecting, enlarging, repairing or furnishing building or providing athletic facilities.

O., Canton — Bank — First Trust & Savings Co., 121 Market Ave. S., having plans prepared by A. L. Thayer, of Thayer & Johnson, 5716 Euclid Ave., Cleveland, 2 story, 100 x 155 ft., brick and limestone, Belden Ave. and Mahoning Rd. $150,000.

O., Cleveland — Apartment — J. T. Fritsche, 552 Leader-News Bldg., had plans prepared, 3 story and basement, 85 x 102 ft., brick, 8009 Lake Ave. $150,000. Private plans.

O., Cleveland — Apartment — M. Luce, 3224 East 117th St., had plans prepared by A. W. Harris, Discount Bldg., 3 story and basement, 42 x 163 ft., brick, 2630 North Moreland Blvd. $150,000.

O., Cleveland—Clubhouse—The Acacia Country Club Co., c/o C. W. Colby, chn. Building Com., 423 Euclid Ave., having plans prepared by A. M. Allen & Co., 7016 Euclid Ave., 1 and 2 story, 50 x 200 ft., timber, Richmonnd Rd. $150,000.

O., Cleveland — Theatre — Loew's Ohio Theatres, J. Laronge, vice-pres., 601 Union Trust Bldg., having preliminary plans prepared by T. Lamb, 644 8th Ave., New York City, 1 story, brick, steel and concrete, on 160 x 200 ft. lot, West 117th St. and Detroit Ave. $350,000.

O., East Cleveland (Cleveland P. O.)—Apartment—F. Passen, 9404 Yale Ave., Cleveland, had plans prepared by M. Weis, 1836 Euclid Ave., Cleveland, 3 story and basement, 54 x 106 ft., brick, 1820 Noble Rd. $150,000.

O., Lakewood (branch of Cleveland)—Apartment — Narosny & Libhaber, 3225 East 116th St., Cleveland, had plans prepared by L. R. Walker & J. L. Maver, 1900 Euclid Ave., Cleveland, 3 story and basement, 37 x 129 ft., brick, 12228 Clifton Blvd., here. $150,000.

O., Lakewood (Cleveland P. O.)—Commercial and Apartment — W. F. Corts, 17619 Detroit Ave., Cleveland, having revised plans prepared by Kaufman Architectural Co. 5511 Euclid Ave., Cleveland, 3 story and basement, 105 x 119 ft., brick, Detroit and Rockaway Aves., here. $200,000. Noted April 3.

Mo., Marshall—Dormitories—State Building Comn., Jefferson City, had plans prepared by Eckel & Aldrich, Crosby-Forsee Bldg., St. Joseph and soon takes bids 2 dormitories, here. $160,000. Noted Aug. 21.

Tex., El Paso—Hotel—R. Orndorff, Orndorff Hotel, having revised plans prepared by Frost & Frost, archts. and engrs., Republic Bldg., 10 story and basement, 110 x 170 ft., rein.-con., brick, stone and steel, plain foundation. $750,000. Noted Sept. 11.

Tex., New Braunfels — Hotel — New Braunfels Hotel Co., c/o F. G. Blumberg, chn. Building Com., having revised plans prepared by H. S. Green, Almo Natl. Bank Bldg., San Antonio and soon takes bids, 4 story and basement rein.-con., brick, stone and concrete wing $150,000.

Ont., Birchcliff—Exchange—Bell Telephone Co. of Canada, 76 Adelaide St. W., Toronto, plans concrete, brick and steel exchange, Kingston Rd., here. $150,000. F. Kennedy, mgr.

Ont., London—Office—London Life Insurance Co., Wellington St., having plans prepared by J. M. Moore, 489 Richmond St., office building, Dufferin St. $500,000.

BIDS DESIRED

Mass., Boston — Theatre — H. Jewett Players, c/o J. W. Beals Sons taking bids rein.-con., brick and steel, plain foundation, Huntington Ave. $150,000.

Mass., Dorchester (Boston P. O.) — School—Nov. 3, by Schoolhouse Dept., 2 story and basement, 80 x 120 ft., brick and stone, Athewold St., John Marshall Dist. $240,000. J. J. Driscoll, 8 Beacon St., Boston, archt. Noted Sept. 18.

Mass., Fall River—School—Dept. Pub. Buildings, taking bids 2 story and basement, brick and stone, Columbia St. $150,000. H. Fallows, 56 North Main St., archt. R. C. Sturgis, 120 Boylston St., Boston, associated archt. Noted Oct. 9.

Mass., Marlboro—High School—School Building Com., C. F. Putnam, clk., City Hall, taking bids altering and constructing 3 story and basement, brick and tile addition. $150,000. C. M. Baker, 25 Arch St., Boston, archt. Noted July 3.

Mass., Marlboro—School—Nov. 6, by Bd. Educ., 2 story and basement, 80 x 136 ft., brick and cut stone, Pleasant St. $200,000. W. B. Colleary, 80 Boylston St., Boston, archt. Noted Oct. 9.

Mass., Wollaston (Boston P. O.) — Church—St. Anns Roman Catholic Church, J. J. Fitzgerald, Willow St., pastor, taking bids 1 story and basement, 60 x 170 ft., rein.-con. and granite, Woodbine St. $150,000. W. B. Colleary, 80 Boylston St., Boston, archt. Noted Aug. 21.

R. I., Warwick—School—Nov. 4, by H. Slocum, archt., 511 Westminster St., 2 story, 150 x 235 ft., brick and steel, plain foundation, for School Dept., Town Hall. $400,000. H. A. Lewis, 75 Westminster St., consult. archt. Noted Oct. 9.

Conn., New Britain — Warehouse — J. Boyle Co., 3 Franklin Sq., taking bids 2 story and basement, 50 x 100 ft., brick and timber, plain foundation, Main St. $150,000. M. J. Unkelbach, 52 Main St., engr.

N. Y., Brooklyn—School—Nov. 18, by W. H. Gompert, supt. school buildings, Flatbush Ave. extension and Concord St., P. S. 207, Fillmore Ave., for Bd. Educ., 500 Park Ave., New York.

N. J., Madison—High School—Nov. 3, by Bd. Educ., brick, steel and stone addition plain foundation, Main St. $225,000. Guilbert & Bettelle, 2 Lombardy St., Newark, archts.

Pa., Easton—Hotel—Nov. 10, by Thomas, Martin & Kirkpatrick, archts., Otis Bldg., Phila., 7 story and basement, 112 x 136 ft., brick and steel, plain foundation, North Hampton and Green Sts., for Hotel Easton Corp., Northampton Bank Bldg. $1,000,000.

La., New Orleans—Hospital—Nov. 10, by Favrot & Livaudais Ltd., archts., Hibernia Bank Bldg., (1st unit) 8 story and basement, 110 x 160 ft., rein.-con. and brick, Napoleon Ave. between Clara and Magnolia Sts., for Southern Baptist Hospital. $500,000.

O., Cleveland—Store and Commercial—Colonial Taylor Impvt., c/o L. Abrams, Engineers Bldg., taking bids remodeling 2 and 5 story, brick and steel building into store and commercial building, 615 Prospect Ave. $150,000. S. H. White, 1032 Schofield Bldg., archt.

O., Lakewood (branch of Cleveland) — School — Nov. 10, by Bd. Educ., G. W. Grill, clk., 1456 Warren Rd., 2 story and basement, 70 x 140 ft., brick, steel and concrete, Kyle and Delaware Aves. $180,000. Former bids rejected. C. W. Hopkinson, 900 Rose Bldg., Cleveland, archt.

Mich., Detroit—School—Nov. 10, by C. A. Gadd, bus. mgr. Bd. Educ., 2 story and part basement, 167 x 250 ft., rein.-con., brick and steel, plain foundation, Charles and Bloom Aves. $200,000. Malcomson & Higginbotham, 1217 Griswold St., archts.

Mich., Muskegon—School—Nov. 15, by Secretary Bd. Educ., 3 story and basement, rein.-con., brick and stone. $600,000. W. E. Ittner, 911 Locust St., St. Louis, Mo., H. H. Turner & V. Thebaud, Grand Rapids, archts.

Wis., Eau Claire — Warehouse — Eau Claire Book & Stationery Co., 320 South Barstow St., taking bids 4 story and basement 78 x 130 ft., brick and concrete, plain foundation, River St. $150,000. E. J. Hancock, Lacock Bldg., archt. Noted Sept. 18.

Wis., Madison—Nurses Home—Nov. 14, by University of Wisconsin, M. E. McCaffery, secy., 4 story, 60 x 200 ft., rein.-con., brick and steel, plain foundation. $150,000. A. Peabody, State Capitol Bldg., archt. Noted July 31.

Wis., Milwaukee — Apartment — Peacock & Frank, archts., 445 Milwaukee St., taking bids 5 story and basement, 74 x 100 ft., brick, steel and concrete, Prospect Ave., for Badger Building Serv., 445 Milwaukee St. $180,000. Noted Oct. 2.

Colo., Denver — Bank — Nov. 8, by Graham, Anderson, Probst & White, archts., 416 Federal Reserve Bank Bldg., Kansas

Buildings—Commercial (Continued)

City, Mo., 3 story and basement, 68 x 125 ft., rein.-con., brick and Tennessee Marble, 17th and Arapahoe Sts., here, for Federal Reserve Bank, Kansas City, Mo. $250,000. Fischer & Fischer, U. S. Natl. Bank Bldg., Denver, Colo., associated archts.

Calif., La Verne—Orphanage—Nov. 3, by Methodist Home Missionary, 1047 South Hill St., Los Angeles, 2 story and basement, 60 x 125 ft., rein.-con. orphanage. W. H. Weeks, Tribune Tower, Oakland, archt.

Calif., Los Angeles—Museum—Nov. 10, by Supervs. Los Angeles Co., general construction 3 story and basement, 150 x 200 ft., brick, steel and concrete. $500,000. Allied Architects Assn., Citizens Natl. Bank Bldg., archts.

Calif., Oakland — Theatre — Reid Bros., archts., 105 Montgomery St., San Francisco, taking bids 2 story, fireproof, 1,800 seating capacity, Grand Ave., for A. C. Karski, c/o architects. $175,000.

Calif., San Jose — School — Nov. 11, by Bd. Educ., Junior High School, 2 story, rein.-con., $250,000. W. H. Weeks, 369 Pine St., San Francisco, archt. and Binder & Binder, Binder Bldg., San Jose, associated archts.

Calif., San Francisco—School—Nov. 12, by Bd. Pub. Wks., 2 story, rein.-con., Haight St., for City and San Francisco Co. $366,000.

BIDS RECEIVED

Mass., Boston—Police Headquarters—Dept. Pub. Buildings, 7 story, basement and sub-basement, 100 x 140 ft., brick and stone, Stuart, Berkley and Stanhope Sts., from J. Bowen & Co., 184 Dudley St., Roxbury, $555,000. Noted Oct. 9.

Pa., Merion Sta.—School—W. Smedley, archt., St. Girard Bldg., Phila., Sept. 22, 1 story and basement, 106 x 172 ft., rein.-con., granite and stone, plain foundation, from Bowden Constr. Co., 1935 Chestnut St., for Bd. Educ. $154,500.

Calif., Alameda — High School — Bd. Educ., general contract, brick and tile high school, from Cochrane-Boehn, Call Bldg., San Francisco, $311,872. Noted Oct. 9.

Calif., Long Beach—High School—Long Beach School Dist., general contract for Jefferson Junior High School, from Orndorff & Gow, 351 North Western Ave., Los Angeles, $113,000. Noted Apr. 3.

Calif., Los Angeles — Office — City, 13 story, 49 x 119 ft., rein.-con., plain foundation, 2nd St. between Hill St. and Bway., from North Pacific Constr. Co., 1302 Detwiler Bldg., $287,500.

Calif., Oakland—Office and Store—Yerxe & Steves, Inc., 1555 San Pablo Ave., 5 story and basement, brick and concrete, 13th and Franklin Sts., from Hansen and Littlefield, 357 12th St., $122,700.

Calif., Pasadena — High School — Bd. Educ., general contract Marshall Junior High School, 1 story industrial arts building, 2 story and basement science building, rein.-con., from H. W. Baum Co., Kerckhoff Bldg., Los Angeles, $194,952.

CONTRACTS AWARDED

N. H., Claremont — Store — Claremont Furniture Co., will build 4 story, 40 x 100 ft., brick and steel, plain foundation, School St., by day labor. $150,000. H. C. Noyes, 50 Grove St., archt.

Mass., East Boston (Boston P. O.) — High School—Schoolhouse Dept., City Hall, Boston, 3 story and basement, 160 x 225 ft., rein.-con. and brick, White St., to A. Piotti Co., 708 Dudley St., Roxbury, $1,105,870. Noted Oct. 23.

Mass., East Milton (Boston P. O.) — Church and Parish House—Church of Our Savior, F. E. Luce, pastor, 1 and 2 story and basement, brick, granite and stone, Adams and Babcock Sts., to Cross & Roberts, Inc., 101 Milk St., Boston. Archts. est. $150,000.

Mass., Lynn—School—School Comn., 4 and 5 story and basement, 55 x 125 ft. and 85 x 165 ft., rein.-con., brick and stone, Essex and Liberty Sts., to C. H. Cunningham & Sons Co., 23 Central St., $390,000. Noted Oct. 23.

Mass., Newton—Church—First Church of Christ Scientist, c/o R. E. Alvord, 1296 Washington St., West Newton, 2 story, 70 x 118 ft., brick and stone, Walnut and Otis Sts., to Sawyer Constr. Co., 16 Arlington St., Boston. Archts. est. to exceed $150,000.

Conn., Hartford—Pedagogy and Library—Hartford Theological Seminary, Broad St., 2 story and basement, 71 x 88 ft. with 25 x 25 ft. wing pedagogy, and 2 and 3 story and basement, 62 x 115 ft., with 39 x 57 ft. wing library, both brick, stone and granite, Sherman and Gerard Aves., to Bartlett-Brainard Co., Inc. 252 Asylum St. Archts. est. $200,000 and $250,000 respectively. Noted Sept. 11.

N. Y., Brooklyn—School—Bd. Educ., 500 Park Ave., New York City, addition to P. S. 128, 84th St. and 21st Ave., here, to G. F. Driscoll Co., 548 Madison Ave., New York, $378,873. Noted Oct. 2.

N. Y., New York—Apartment—S. Winskoff, c/o Margon & Glaser, archts., 2804 3rd Ave., will build brick, steel and stone, plain foundation, Wadsworth Terrace, by day labor. $200,000.

N. Y., New York—Hotel—W. and J. Manger, 783 5th Ave., 20 story, 100 x 200 ft., brick, steel and stone, plain foundation, 7th Ave. and 51st St., to Bing & Bing 119 West 40th St. Archts. est. $5,500,000.

N. Y., New York—Loft—Millinery Center Building Corp., 43 West 36th St., brick, steel and stone, plain foundation, 7th Ave. and 38th St., to J. M. Brody, 799 Bway. Archts. est. $3,500,000.

N. Y., New York—Nurses Home—Fifth Ave. Hospital, 105th St. and 5th Ave., brick, steel and stone, plain foundation, 5th Ave. and 106th St., to P. J. Walsh & Co., 1540 Bway. Archts. est. $300,000.

N. J., Jersey City—Church—St. Johns Roman Catholic Church, Van Winkle Ave., brick, steel and stone addition, plain foundation, to J. Mitchell, Inc., 799 Bergen Ave. Archts. est. $150,000.

N. J., Newark — Store — Starrett & Van Vleck, archts., 8 West 40th St., New York City, 9 story 150 x 150 ft., brick, steel and stone, plain foundation, Broad, Cedar and Halsey Sts., here, to Starrett Bros., Inc., 101 Park Ave., New York City for L. S. Plaut & Co., pres. and treas. S. S. Kresge Co., 576 Fulton St., Brooklyn. Archts est. $5,000,000. Noted Oct. 2.

Pa., Harrisburg — Hospital — Polyclinic Hospital, H. Gross, Front and Harris Sts., 3 and 4 story and basement, 110 x 194 ft., rein.-con. and brick, plain foundation, 3rd Ave. and 4th St., to W. E. Bushey, Lenmoyne. Archts. est. $700,000. Noted Sept. 4.

La., Shreveport — Warehouse — Caddo Transfer & Storage Co., 8 story, 100 x 100, rein.-con., to Hanson-Worden Constr. Co., Memphis, Tenn. Archts. est. $200,000. Noted Oct. 16.

Tenn., Nashville — Apartment — Prichett Thomas Co., Stahlman Bldg., general contract 8 story and basement, 52 x 160 ft., concrete, brick and stone, 7th and Cedar Sts., to Foster & Creighton Co., 4th and 1st Natl. Bank Bldg. Archts. est. $150,000. Noted April 10.

O., Cleveland — School — Immaculate Heart of Blessed Virgin Mary, M. J. Orzechowski, pastor, 6700 Lansing Ave., 2 story and basement, 7000 Lansing Ave., to W. Dunbar Co., 8201 Cedar Ave. Archts. est. $200,000. Noted July 17.

O., Marietta—High School—Bd. Educ., 3 story, 171 x 257 ft., brick, Putnam and 7th Sts., to E. H. Latham, 60 East Broad St., Columbus, $324,000. Archts. est. $450,000. Noted Nov. 15.

O., Sandusky — Hospital — Providence Hospital Co., 3 story and basement 94 x 105 ft., brick, steel and concrete, to M. H. Walsh, 1415 Central Ave. Archts. est. $150,000. Noted Sept. 25.

O., Youngstown—High School—Bd. Educ. 3 story and basement, high school, to Kling & Sons, Youngstown, $225,000.

Mich., Detroit—School—Bd. Educ., 1354 Bway. Ave., 3 story and basement, 70 x 392 ft. and 77 x 179 ft., rein.-con., brick and steel, plain foundation, Tuxedo Ave. and LaSalle Blvd., to H. C. Christman, 315 Stevens Blvd., $735,000. Noted Oct. 23.

Wis., Eau Claire — Theatre — Northern States Theatre Co., c/o J. A. Nelson, archt., 622 Corn Exchange Bldg., 2 story and basement, brick and concrete, plain foundation, Eau Claire St., to Hoeppner-Bartlett Co., 414 Grand Ave. Archts. est. $150,000.

Wis., Milwaukee — Apartment-Studio — Apartment Co., c/o Backes & Pfaller, archts., 216 West Water St., 3 story and basement, 120 x 122 ft., brick and terra cotta, plain foundation, Astor St., to A. Luettgen, 732 Deer Pl. Archts. est. $185,000. Noted Aug. 21.

Wis., Milwaukee — High School — Marquette University, 1115 Grand Ave., 3 story, 115 x 230 ft., brick and concrete, Grand Ave., concrete and masonry, to P. Riesens Sons, 1018 Humboldt Ave. Archts. est. $150,000.

Ia., Mason City—School—Holy Family Roman Catholic Congregation, c/o A. Murphy, pastor, 1st floor and basement for 2 story and basement, 104 x 150 ft., concrete, brick and stone, to Rapagar Constr. Co., Albert Lea, Minn. Archts. est. $150,000. Remainder of work awarded in Spring.

Minn., Minneapolis—School—Bd. Educ., G. F. Womrath, supt., general contract 3 story and basement, rein.-con., brick, tile and stone, 49th St. and Wentworth Ave., to Fleisher Constr. Co., 1000 Builders Exch. Bldg., $439,000. Noted Oct. 23.

Neb., Wymore—High School—Bd. Educ., c/o W. L. Jones, 2 story and basement, 62 x 69 ft., brick, stone and terra cotta, to G. M. Robertson, 807 1st Natl. Bank Bldg., Lincoln, $150,000.

Ark., Little Rock — Hotel — Local Syndicate, c/o J. F. Boyle, et al, Boyle Bldg., 10 story and basement, rein.-con., brick, steel, stone and terra cotta, Louisiana and 7th Sts., to A. D. Gates Constr. Co., Chemical Bldg., St. Louis, Mo. Archts. est. $1,000,000.

Okla., Tulsa — Manual Arts—Bd. Educ., c/o W. B. Weston, 1507 West Columbia St., general contract 3 story and basement, 140 x 150 ft., rein.-con., brick, steel and stone, 9th and Cincinnati Sts., to A. J. Hingle, 309 Mid-Continent Bldg., $125,000.

Calif., Covina — Science — Covina High School Dist., 2 story and basement, rein.-con. science building, to Salih Bros. Detwiler Bldg., Los Angeles, $149,501. Noted Sept. 25.

Calif., Long Beach—Theatre, Apartment and Store — C. M. Donnley & E. W. Bolinger, 95 x 115 ft., rein.-con., to C. T. McGrew & Sons, 1345 West Ocean Ave., $165,000.

Calif., Los Angeles — Apartment — N. Jaeffe, 4 story and basement, 95 x 150 ft., brick and concrete, 5th St., to A. Bard & Co., Union Oil Bldg., $215,000.

Calif., Pasadena — Apartment and Hotel —W. S. Brooke, 189 North Marengo Ave., 4 story, 45 x 200 ft., brick, North Marengo Ave., to L. T. Mayo, Black Bldg., Los Angeles, $255,000.

Calif., Santa Barbara—Hotel—L. White, Santa Barbara, 4 story, brick and concrete, State St., to A. Bard & Co., Union Oil Bldg., Los Angeles, $175,000.

Federal Government Work

PROPOSED WORK

Ia., Knoxville—Roads and Walks—U. S. Veterans Bureau, 791 Arlington Bldg., Wash., D. C., rejected bids Oct. 14, grading roads and walks at U. S. Veterans Hospital 57, here.

BIDS DESIRED

R. I., Newport—Additions—Nov. 19, by U. S. Coast Guard Headquarters, Derby Bldg., Wash., D. C., altering and additions to station building at Brenton Point coast guard station, near here.

Delaware and Maryland—Excavation—Nov. 26, at U. S. Engineer's Office, Wilmington, Del., excavation for inland waterway from Delaware River to Chesapeake Bay, here; adv. E. N.-R. Oct. 30.

Md., Baltimore—Water Distribution System—Nov. 14, by Treasury Dept., at office Supervising Architect, Wash., D. C., increasing water distribution system, at U. S. Marine Hospital, here. J. A. Wetmore, acting superv. archt.; adv. E. N.-R. Oct. 30.

Ill., Great Lakes—Sewerage System Improvements—Spec. 5014—Dec. 3, by U. S. Engineer's Office, Wash., D. C., sewerage system improvements, at Naval Training Station, here.

Minn., Minneapolis—Post Office—Nov. 12, by Treas. Dept., at office Supervising Archt., Wash., D. C., addition and alterations to U. S. Post Office, here; adv. E. N.-R. Oct. 30.

Mo., St. Louis—Levee Work—Nov. 12, by Mississippi River Comn., 1311 International Life Bldg., constructing 695,000 cu.yd. earthwork in Levee Dist. 1, Perry Co.; adv. E. N.-R. Oct. 30.

Wash., Seattle—Pier—Nov. 16, by U. S. Engineer Office, War Dept., Wash., D. C., constructing guide pier in Lake Washington Ship Canal, here.

Calif., San Fernando—Buildings—Dec. 9, by U. S. Veterans Bureau Room 791 Arlington Bldg., Wash., D. C., constructing buildings and utilities, here; adv. E. N.-R. Oct. 30.

H. T., Pearl Harbor—Storehouse—Spec. 5003—Dec. 23, by Bureau Yards & Docks, Navy Dept., Wash., D. C., store house and quarters, at Naval Operating Base Hospital, here. Noted Oct. 2.

BIDS RECEIVED

Mass., Hingham — Roofs — Spec. 5023—Bureau Yards & Docks, Navy Dept., Wash., D. C., reroofing buildings, here, from B. H. B. Ennis, Jr., 1933 East 31st St., Baltimore, Md., (1) $18,775 (2) $1,000 (3) $800 (4) $100 (5) $12. Noted Oct. 16.

Mass., Rutland — Buildings — U. S. Veterans Hospital Bureau, Room 791, Arlington Bldg., Wash., D. C., additions to buildings, general contract from Murch Bros. Constr. Co., 611 Olive St., St. Louis, Mo., (1a) $217,250 (1b) $78,000 (1c) $56,000 (1d) $52,000 (1e) $9,500 (1f) deduct $5,000; from Virginia Eng. Co., 322 28th St., Newport News, Va., plumbing, (2a) $36,500 (2b) $10,600 (2c) $5,800 (2d) $5,600 (2e) $583, heating (3a) 86,755 (3b) $3,736 (3c) $4,174 (3d) $2,550 (3e) $1,350. Noted Sept. 25.

Federal Government Work (Continued)

Calif., Livermore—Automatic Telephone System—U. S. Veterans Bureau, Room 791, Arlington Bldg., Wash., D. C., automatic telephone system, here, from Automatic Electric Co., 945 West Van Buren Ave., Chicago, Ill., $4,755; wiring and cables, from Latourette-Fical Co., 2761 Sacramento Blvd., Sacramento, $7,980; fire alarm system, from Michaels & Co., Flat Iron Bldg., Norfolk, Va., $5,490. Noted Oct. 9.

CONTRACTS AWARDED

Mass., Boston—Roof—Spec. 5013—Bureau Yards & Docks, Navy Dept., Wash., D. C., roof on foundry building, here, to F. J. Low Co., 80 Boylston St., $38,800. Noted Oct. 23.

Va., Norfolk—Repairs—Spec. 5033—Bureau Yards & Docks, Navy Dept., Wash., D. C., repairs to buildings, here, to H. M. Lucas, 115 Bruce St., Portsmouth, Va., $18,439 (120 days). Noted Oct. 16.

Ohio—Pier Removal, etc.—U. S. Engineer Office, Buffalo, N. Y., removing piers, dredging at Fairport Harbor, removing inner breakwater, and dredging at Conneaut Harbor, to Grelling Bros. Co., 100 Blk. East Walnut St., Green Bay, Wis., $63,710. Noted Sept. 25.

Unclassified

PROPOSED WORK

Pneumatic Tubes—Boston, Mass.—Western Union Telegraph Co., 195 Bway., New York City, plans about 800 ft. underground pneumatic tubes under Milk, Oliver and Broad Sts., here. W. S. Baker, 169 Congress St., div. plant supt.

Bulkhead—Medford, Mass—Amer. Acid Co., Beverly St., plans pile bulkhead, and fill solid in Malden River. $25,000. W. F. Williams, comr. Dept. Pub. Wks., Div. Waterways, State House, Boston, engr.

Wharf and Sea Wall—Quincy (Boston, P. O.) Mass.—Quincy Lumber Co., Pond St. plans pile wharf and sea wall on premises. $25,000. Engineer not selected.

Bathing Beach Protection—Harrisburg, Pa.—Election Nov. 4, $30,000 bonds bathing beach protection.

Park Development—Baton Rouge, La.—City Comn. Council plans to expend $75,000 developing 90 acres of ground for parks.

Underpass — Sparta, Tenn. — Nashville, Chattanooga & St. Louis R.R. Co., 100 Bway., and State Dept. Hys. & Pub. Wks., both of Nashville, plan concrete and steel underpass, near here. Will probably build with own forces. H. McDonald, ch. engr. railroad.

Grade Crossing—Akron, O.—Baltimore & Ohio R.R., 107 Dixie Terminal Bldg., Cincinnati, S. A. Jordan, engr. M. W., Pennsylvania R.R., Broad St., Phila., A. C. Shand, ch. engr., and Erie R.R., 50 Church St., New York City, R. C. Falconer, ch. engr., plan elimination of grade crossing, Exchange St., here. $1,250,000.

Transmission Line—Wisconsin—Wisconsin River Power Co., c/o R. J. Walter, supt., Gay Bldg., Madison, plans 8 mi. 6,600 volt transmission line between Avoca and Lone Rock. $40,000. Engineer not selected.

Transmission Line — Oklahoma — See "Buildings—Industrial Contracts Awarded under Hanna."

Street Lighting—Berkeley, Calif.—Plans installing street lighting system in Shattuck Ave. between University and Durant Aves., 2 lights to standard 18 ft. high. To exceed $25,000.

Pier Extension—Huntington Beach, Calif.—Plans election $100,000 bonds concrete pier extension.

Sea Wall—San Francisco, Calif.—State Harbor Comrs., Ferry Bldg., making plans approximately 1,400 lin.ft. rock and concrete sea wall on Islais Creek. $500,000. F. G. White, ch. engr.

Wharf—Three Rivers, Que.—International Paper Co., Pershing Sq. Bldg., New York City, having plans prepared extending 500 ft. cribwork wharf, 30 ft. below low water gauge and 16 ft. above, etc., here. $150,000. A. H. White, c/o owners, engr.

Electric Light System—Verdun, Que.—See "Streets and Roads."

Transmission Line — Ontario — Hydro Electric Power Comn. of Ontario, 190 University Ave., Toronto, plans 12 mi. electric transmission line from Manotick toward Ottawa. $25,000. F. A. Gaby, ch. engr.

Transmission Line — Ontario — Ottawa-Montreal Power Co., Keefer Bldg., Montreal, Que., plans 10,500 volt transmission line from Hawkesburg to Alfred, Ont. Private plans.

Electric Light System, etc.—Ethel, Ont.—Ontario Hydro-Electric Comn., London, election Nov. 7, $28,000 bonds for electric light system, here. A. Beck, chn.

Arena—Windsor, Ont.—E. G. Watford, 150 Sandwich St. W., plans artificial ice arena. $80,000.

BIDS DESIRED

Heating and Ventilating — Marlboro, Mass.—L. F. Putnam, clk. School Building Comn., City Hall, taking bids heating and ventilating system in alteration and additions to high school. $25,000. C. M. Baker, 25 Arch St., Boston, archt.

Concrete Walls—Ft. Edward, N. Y.—Nov. 7, by R. K. Fuller, comr. Canals and Waterways, 55 Lancaster St., Albany, repairing concrete walls at Lock 7, Champlain Canal, here, Contr. M-4; adv. E. N.-R. Oct. 30.

Borings—New Jersey and New York—Nov. 3, by Port of New York Authority, 11 Bway., New York City, land and water borings along routes between Perth Amboy, N. J., and Tottenville, N. Y., and between Elizabeth, N. J., and Howland Hook, N. Y. W. Leary, secy.; adv. E. N.-R. Oct. 30.

Ornamental Street Lighting System — New Bremen, O.—See "Waterworks."

Caissons—Esquimalt, B. C.—Nov. 20, by S. E. O'Brien, secy. Dept. Pub. Wks., Ottawa, Ont., constructing 2 steel floating caissons for dry dock here.

BIDS RECEIVED

Subway—Phila., Pa.—H. E. Ehlers, dir. Dept. City Transit Oct. 21, subway, from Patrick McGovern & Co. Inc., 50 East 42nd St., New York City, $13,485,414. Noted Sept 18.

Ferry Terminal, etc.—Algiers (New Orleans P. O.), **La.**—R. T. Nolan, mgr. Algiers Pub. Serv. Co., foot Canal St., New Orleans, **(a)** according to plans of Toledano, Wogan & Bernard, archts., Perrin Bldg., New Orleans, **(b)** according to plans of bidder, new ferry house, covered arcade, steel bridge, etc., at Morgan St., from Doullut & Williams, Inc., 861 Howard St., New Orleans, **(a)** $93,000 **(b)** $83,000, ferry house proper, **(a)** $31,000 **(b)** $21,000. Noted Oct. 16.

Grade Separation—Detroit, Mich.—Bd. Comrs. Wayne Co., 1103 Real Estate Trust Bldg., grade separation at Division Rd. S. and Detroit & Ironton R.R. incl. pumphouse, well, etc., from W. E. Lennane, 2631 Woodward Ave., $151,704. Noted Oct. 9.

CONTRACTS AWARDED

Heating and Plumbing—Lynn, Mass.—School Comn., heating and plumbing in high school, Essex and Liberty Sts., to Reardon Bros., Mfgrs. Bank Bldg., $59,322. Noted Oct. 23.

Subway—Phila., Pa.—H. E. Ehlers, dir. Dept. City Transit, 1211 Chestnut St., portion of Broad St. subway from Clearfield St. to point north of Courtland St., Contr. 106, to Patrick McGovern, Inc., 50 East 42nd St., New York City, $13,485,414. Noted Oct. 30.

Swimming Pool—Pittsburgh, Pa.—Kennywood Park Corp., Farm Bldg., excavation and concrete work for 180 x 350 ft. swimming pool, 1 to 10 ft. depth, to J. F. Casey Co., Union Trust Bldg.

Grain Elevator—Green Bay, Wis.—Green Bay & Western Ry., Minahan Bldg., 50 x 140 ft. grain elevator, 100 ft. high, rein.-con., plain foundation, to J. Stewart & Co., 343 South Dearborn St., Chicago, Ill. Engrs. est. $80,000.

Guardrail — South Dakota — State Hy. Comn., Pierre, to W. R. Larson, 519 Secy. Natl. Bank Bldg., Sioux Falls, 3,552 lin.ft. on Project 141, Hughes Co., $1,776, 1,232 lin.ft. on Project 146AB, Corson Co. $1,072, 3,352 lin.ft. on Project 157, Jones Co. $1,777, 5,000 lin.ft. on Project 177A, Pennington Co. $2,500, 2,120 lin.ft. on Project 164, Brook-Moody Co. $1,060, 2,144 lin.ft. on Project 50B, Sanborn Co. $1,115, 3,072 lin. ft. on Project 95A, Faulk Co. $1,536, 1,632 lin.ft. on Project 95B, Faulk Co. $816 1,960 lin.ft. on Project 180D, Minnehaha Co. $980, 3,232 lin.ft. on Project 183A, Beadle Co. $1,616, 6,512 lin.ft. on Project 179, Deuel Co. $3,256, 4,504 lin.ft. on Project 135A, Minnehaha Co. $2,162, 1,400 lin.ft. Project 170A, Brook-Moody Co. $742; to H. Pickus Co., 309 Mass Bldg., Sioux City, Ia., 3,480 lin.ft. Project 150A, Fall River Co., $1,848; to L. P. Nelson, Philip, 7,648 lin.ft. on Project 162A, Haakon Co. $3,059, 3,068 lin.ft. on Project 162B, Haakon Co. $1,227. Former contract rescinded. Noted Oct. 9 under "Material and Equipment."

Underground Conduits and Cables — Eugene, Ore.—Pacific Telephone & Telegraph Co., Eugene, will improve telephone system, incl. underground conduits, cables, aerial work, loops to Albany, and Brownsville, repairs to buildings and plants, by day labor. $318,700. J. L. Bland, Eugene, engr.

Street Lighting System — Los Angeles, Calif.—Lighting system on Vine St. between Franklin and Melrose Aves., to A. C. Rice, 1963 Santee St., $57,821; Main St. between 57th St. and Florence Ave., to J. C. Perry, 3750 Percy St., $46,250; Adams St. between Vermont and Western Aves., to Electric Lighting Supply Co., 214 West 3rd St., $37,210; Hoover St. between Washington and Adams Sts., to H. G. Reid & Co., Grant Bldg., $22,875; San Pedro St. between 61st St. and Manchester Ave. and Jefferson St. between Vermont and 10th Aves. to Finley-Hunt Co., 573 Court St., San Bernardino, $58,945 and $67,985 respectively.

Towers — Yamachiche, Que. — Marconi Wireless Telegraph Co., 111 St. Sacrament St., Montreal, 5 steel towers, 310 ft. high, to Foundation Co. Ltd., 224 St. James St., Montreal; steel, to Canadian Steel Co., 120 St. James St., Montreal. Total est. $200,000.

Storage Bins—Vancouver, B. C.—Harbor Comrs., 525 Seymour St., constructing 22 concrete bins, 23 ft. wide, 88 ft. high, for No. 3 elevator, to Vancouver Pile Driving Co., Dominion Bldg., $175,000.

Material and Equipment

PROPOSED WORK

Light Standards—Minneapolis, Minn.—F. S. Cram, city purch. agt. Sept. 25, rejected bids 200 steel and c.i. light standards. W. N. Elsberg, city engr.

Dump Truck—Brawley, Calif.—O. Juvenal, city clk. plans to purchase dump truck, combination flat and dump body with hoist, 1½ to 2 ton capacity.

Electrical Equipment—Sherbrooke, Que.—Plans to expend $80,000 for electrical equipment.

Tracklaying Tractor, etc. Ontario, Calif.—Plans to purchase tracklaying tractor, rock distributor, and steam roller for Street Dept.

BIDS DESIRED

Steel Beams—Boston, Mass.—Nov. 11, by Transit Dept., Beacon St., about 250 ton steel beams, 15- to 30-in. in depth and of various lengths, f.o.b. cars, 14 Cypher St., South Boston. E. F. Condon, 1 Beacon St., secy.

Asphalt Sand—New York, N. Y.—Nov. 3, by J. Miller, pres. Manhattan Boro., Municipal Bldg., 3,000 cu.yd. asphalt sand.

Cement—New York, N. Y.—Nov. 6, by J. Miller, pres. Manhattan Boro., Municipal Bldg., 5,000 bags Portland cement and 800 tons inorganic dust.

Sand Grit, etc.—New York, N. Y.—Nov. 6, by H. Bruckner, pres. Bronx Boro., 3rd & Tremont Aves., 2,000 cu.yd. sand grits, 2,000 bags Portland cement, 3,000 cu.yd. ashes, 25,000 gal. tar, 600 cu.yd. concrete and paving sand, etc.

Tractors, etc.—Schenectady, N. Y.—Bd. Contr. & Supply, in market for two 3 ton tractors with snow plows, etc., and 1 snow loader.

Crane—Pittsburgh, Pa.—Duquesne Light Co., Chamber of Commerce Bldg., taking bids 100 ton crane.

Road Roller—Green Bay, Wis.—M. G. Simonds, supt. Park Bd., taking bids one 3 ton gasoline road roller with scarifier and blade attachments.

Paving Material—St. Paul, Minn.—Nov. 3, by H. W. Austin, city purch. agt., material for paving Cleveland Ave. and Ford Rd., 23,278 sq.yd. sheet asphalt, 5,190 sq.yd. 3 in. brick, etc. G. M. Shepard, city engr. Noted Oct. 23 under "Streets and Roads."

Street Sweeper—Fairfax, Okla.—Mayor and City Council in market for street sweeper with pressure pump attached.

Concrete Mix—Manteca, Calif.—Nov. 11, by S. L. Steele, secy. South San Joaquin Irrigation Dist., 5,000 or more tons concrete mix aggregate not to exceed ¾ in.

Road Grader — Brawley, Calif. — O. M. Juvenal, city clk. taking bids road grader with 8 in. blade.

Cement—Merced, Calif.—Nov. 5, by H. P. Sargent, Bancroft Bldg., secy. Merced Irrigation Dist., 350,000 bbls. or more Portland cement. Former bids rejected. R. V. Meikle, ch. engr. Noted Oct. 2.

BIDS RECEIVED

Sand Grit—Brooklyn, N. Y.—E. Riegelmann, boro pres., Boro Hall, 1,500 cu.yd. sand grit from B. Turecamo Contg. Co., 8706 Bay 12th St., $3,195.

CONTRACTS AWARDED

Paving Blocks — New York, N. Y. — J. Miller, pres. Manhattan Boro., Municipal Bldg., 20,000 special 5 in. granite paving blocks, to St. George Granite Co., 90 West St., $2,900. Noted Oct. 23.

Cement—St. Paul, Minn.—City, Sept. 30, 1,500 bbl. Portland cement, to Minnesota Lime & Cement Co., Marshall Ave. and Albert St., 1,500 bbl., to Stiefel Material Co., 501 Concord St., and 1,000 bbl., to Capital City Lime & Cement Co., 1415 Marshall Ave., all at $2.52 per bbl. Noted Oct. 9.